

**PRISEMI ELECTRONICS**

Provide you with superior customer service

**产品选型指南**

**Products Selection Guide**

**Discrete Devices**

**Integrated Circuits**

## PRISEMI ELECTRONICS

Aspire to be the world's largest supplier of semiconductors



Shanghai Prisemi Electronics Co., Ltd, is a high-tech electronics enterprise dedicated in intergrated circuit R&D, production and sales. Prisemi mainly focuses on the research of professional integrated circuit ( charge IC / LED driver / main power control IC of mobile phone, segment LCD driver etc. ) and discrete devices ( ESD / TVS / EOS / MOSFET / TSS / Transistor / Diodes etc. ) .

We are focusing on domestic market, meanwhile are developing the overseas market actively. Our products are exported to Europe, USA, Japan, South Korea and Southeast Asia etc, and are widely applied in initelligent terminal devices, network communication equipments, security monitoring systems, automotive electronics devices, intelligent home appliances and green lightings etc. Prisemi has constructed a strategic partnership with many well-known international enterprises. The praise and trust from customers have built Prisemi as an international corporation brand.

上海芯导电子科技有限公司（Prisemi）是一家专注于高品质、高性能的模拟集成电路和功率器件开发及销售的芯片公司，总部位于上海张江高科技园区，产品涵盖专用集成电路芯片（锂电池快充、LED背光/闪光灯驱动、移动电源主控、段式LCD驱动等）和半导体功率器件（TVS、MOSFET、TSS 、Transistor、Diodes等）。

多年来，芯导电子一直以用户需求为核心，重视自主研发能力和技术革新，在专注国内市场开拓的同时，积极拓展海外市场，目前产品已远销欧美日韩及东南亚等国家与地区，在智能终端、网络通信、安防工控、汽车电子、智能家居、照明等应用领域具有卓越的产品及整体方案优势。

## **Discrete Devices Catalog**

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| Part No.        | Vrwm(V) | Ir(uA) | Vbr(V)    | C(pF) | Ppk(W) | Package      |
|-----------------|---------|--------|-----------|-------|--------|--------------|
| PESDUC2XD3V3BF  | 3.3     | 1      | 4.8       | 0.25  | 90     | DFN-0603-2L  |
| PESDMC2XD5VB    | 5       | 1      | 7.0~9.0   | 0.4   | 40     | DFN-0603-2L  |
| PESDUC2XD5VU    | 5       | 1      | 5.6       | 0.7   | 70     | DFN-0603-2L  |
| PESDUC2XD5VB    | 5       | 1      | 5.6       | 0.37  | 120    | DFN-0603-2L  |
| PESDUC2XD7VB    | 7       | 1      | 7.5       | 0.35  | 120    | DFN-0603-2L  |
| PESDMC2XD18VB   | 18      | 1      | 19~23     | 0.4   | 30     | DFN-0603-2L  |
| PESDUC2FD3V3U   | 3.3     | 1      | 4.5       | 0.35  | 55     | DFN-1006-2L  |
| PESDUC2FD3V3B   | 3.3     | 1      | 4.8       | 0.2   | 45     | DFN-1006-2L  |
| PESDLC2FD3V3BH  | 3.3     | 1      | 4.5       | 0.5   | 120    | DFN-1006-2L  |
| PESDUC2FD5VU    | 5       | 1      | 5.4~8.5   | 0.5   | 100    | DFN-1006-2L  |
| PESDUC2FD5VB    | 5       | 1      | 5.6~8.5   | 0.3   | 100    | DFN-1006-2L  |
| PESDUC2FD5VB2   | 5       | 1      | 5.6~8.5   | 0.25  | 100    | DFN-1006-2L  |
| PESDSC2FD5VU    | 5       | 1      | 5.4~8.5   | 0.5   | 100    | DFN-1006-2L  |
| PESDSC2FD5VB    | 5       | 1      | 5.6       | 0.3   | 100    | DFN-1006-2L  |
| PESDMC2FD5VB    | 5       | 1      | 7.0       | 0.42  | 40     | DFN-1006-2L  |
| PESDMC2FD18VB   | 18      | 1      | 19~23     | 0.4   | 30     | DFN-1006-2L  |
| PESDUC3FD3V3U   | 3.3     | 1      | 4.5       | 0.42  | 40     | DFN-1006-3L  |
| PESDUC3FD5VU    | 5       | 1      | 5.4~8.5   | 0.5   | 75     | DFN-1006-3L  |
| PESDALC10N3V3U  | 3.3     | 1      | 5.6~7.0   | 0.5   | 110    | DFN-2510-10L |
| PESDALC10N5VU   | 5       | 1      | 6.0       | 0.6   | 100    | DFN-2510-10L |
| PESDALC10FN5VU  | 5       | 1      | 6.0       | 0.6   | 100    | DFN-3020-10L |
| PESDUC9D5VB     | 5       | 1      | 5.6~8.5   | 0.3   | 100    | SOD-923      |
| PESDUC9D12VU    | 12      | 1      | 13.8~15.2 | 0.5   | 100    | SOD-923      |
| PESDUC5D5VU     | 5       | 1      | 5.4~8.5   | 0.7   | 150    | SOD-523      |
| PESDUC5D5VB     | 5       | 1      | 5.6~8.5   | 0.4   | 100    | SOD-523      |
| PESDUC3D3V3B    | 3.3     | 1      | 5.0       | 0.8   | 150    | SOD-323      |
| PESDAWC363T5VUD | 5       | 1      | 5.8~9.0   | 0.72  | 45     | SOT-363      |
| PESDUC523T5VU   | 5       | 1      | 5.6       | 0.7   | 125    | SOT-523      |
| SLVU2.8-4L      | 2.8     | 1      | 3.0       | 0.7   | 500    | SOP-8        |
| PESDAWC236T3V3U | 3.3     | 1      | 5         | 0.8   | 100    | SOT-23-6L    |
| PESDAWC236T5VU  | 5       | 1      | 6.0~8.5   | 0.75  | 150    | SOT-23-6L    |

| Part No.       | V <sub>rw</sub> (V) | I <sub>r</sub> ( $\mu$ A) | V <sub>br</sub> (V) | C(pF) | P <sub>pk</sub> (W) | Package     |
|----------------|---------------------|---------------------------|---------------------|-------|---------------------|-------------|
| PESDWC2XD5VB   | 5                   | 1                         | 5.6                 | 3.2   | 80                  | DFN-0603-2L |
| PESDWC2XD5VBL  | 5                   | 1                         | 5.6                 | 3.0   | 35                  | DFN-0603-2L |
| PESDLC2FD5VU   | 5                   | 1                         | 5.5~7.5             | 0.75  | 70                  | DFN-1006-2L |
| PESDLC2FD5VUH  | 5                   | 1                         | 6~8                 | 1.1   | 130                 | DFN-1006-2L |
| PESDWC2FD5VB   | 5                   | 1                         | 5.6                 | 3.0   | 80                  | DFN-1006-2L |
| PESDWC9D5VB    | 5                   | 1                         | 5.6                 | 3.0   | 40                  | SOD-923     |
| PTVSLC3D3V3B   | 3.3                 | 1                         | 4.0                 | 3.5   | 350                 | SOD-323     |
| PTVSUC3D3V3B   | 3.3                 | 1                         | 4.5                 | 1.5   | 350                 | SOD-323     |
| PTVSUC3D5VB    | 5                   | 1                         | 6.0                 | 1.2   | 240                 | SOD-323     |
| PTVSLC3D5VB    | 5                   | 1                         | 6.0                 | 4.5   | 350                 | SOD-323     |
| PTVSLC3D8VB    | 8                   | 1                         | 8.5                 | 4.5   | 350                 | SOD-323     |
| PTVSLC3D12VB   | 12                  | 1                         | 13.3                | 3.5   | 350                 | SOD-323     |
| PESDMC3D12VB   | 12                  | 1                         | 13.0~16.5           | 8.0   | 90                  | SOD-323     |
| PTVSLC3D24VB   | 24                  | 1                         | 29                  | 3.0   | 450                 | SOD-323     |
| SLVU2.8-4      | 2.8                 | 1                         | 3.0                 | 3.5   | 500                 | SOP-8       |
| PESDLC723T5VU  | 5                   | 1                         | 5.6                 | 2.8   | 110                 | SOT-723     |
| PESDLC563T5VU  | 5                   | 1                         | 6.1                 | 10    | 100                 | SOT-563     |
| PESDAUC563T5VU | 5                   | 1                         | 6.0~8.0             | 1.5   | 150                 | SOT-563     |
| PESDLC553T5VU  | 5                   | 1                         | 6.1                 | 10    | 100                 | SOT-553     |
| PESDLC363T5VU  | 5                   | 1                         | 6.2                 | 10    | 100                 | SOT-363     |
| PESDALC363T5VU | 5                   | 1                         | 6.0                 | 3.0   | 150                 | SOT-363     |
| PESDLC353T5VU  | 5                   | 5                         | 6.2                 | 10    | 100                 | SOT-353     |
| SLVU2.8        | 2.8                 | 1                         | 3.0                 | 3.0   | 500                 | SOT-23      |
| PESDLC23T5VU   | 5                   | 1                         | 5.6                 | 3.0   | 100                 | SOT-23      |
| PTVSLC23T5VU   | 5                   | 1                         | 5.6                 | 3.0   | 500                 | SOT-23      |
| PTVSLC23T12VU  | 12                  | 1                         | 15.0~18.5           | 3.0   | 600                 | SOT-23      |
| PESDALC23T12VU | 12                  | 1                         | 15.0~18.5           | 3.0   | 300                 | SOT-23      |
| PESDAUC236T5VU | 5                   | 1                         | 6.0~8.0             | 1.5   | 350                 | SOT-23-6L   |
| PESDALC236T5VU | 5                   | 1                         | 6.0                 | 2.0   | 350                 | SOT-23-6L   |
| PESDALC236T5V4 | 5                   | 1                         | 6.0                 | 2.5   | 150                 | SOT-23-6L   |
| PESDAMC236T5VU | 5                   | 1                         | 6.0~8.5             | 3.0   | 250                 | SOT-23-6L   |
| SRV05-4        | 5                   | 1                         | 6.0                 | 3.0   | 350                 | SOT-23-6L   |
| PESDALC143T5VU | 5                   | 1                         | 6.0~8.5             | 3.0   | 350                 | SOT-143     |

| Part No.       | V <sub>rw</sub> (V) | I <sub>r</sub> ( $\mu$ A) | V <sub>br</sub> (V) | C(pF) | P <sub>pk</sub> (W) | Package     |
|----------------|---------------------|---------------------------|---------------------|-------|---------------------|-------------|
| PESDNC2XD3V3U  | 3.3                 | 1                         | 5.0                 | 39    | 60                  | DFN-0603-2L |
| PESDNC2XD3V3B  | 3.3                 | 1                         | 5.0                 | 12    | 60                  | DFN-0603-2L |
| PESDNC2XD4V5B  | 4.5                 | 1                         | 4.7~6.5             | 16    | 60                  | DFN-0603-2L |
| PESDNC2XD5VU   | 5                   | 1                         | 6.0                 | 29.5  | 75                  | DFN-0603-2L |
| PESDNC2XD5VB   | 5                   | 1                         | 5.6                 | 10    | 40                  | DFN-0603-2L |
| PESDNC2XD5V5B  | 5.5                 | 1                         | 6.0                 | 18    | 50                  | DFN-0603-2L |
| PESDNC2XD7VB   | 7                   | 1                         | 7.0~10.0            | 13    | 110                 | DFN-0603-2L |
| PESDNC2XD12VU  | 12                  | 1                         | 14.5                | 15.5  | 70                  | DFN-0603-2L |
| PESDNC2XD12VB  | 12                  | 1                         | 13.0                | 8.0   | 60                  | DFN-0603-2L |
| PESDNC2FD3V3U  | 3.3                 | 1                         | 4.0                 | 35    | 100                 | DFN-1006-2L |
| PESDNC2FD3V3B  | 3.3                 | 1                         | 4.5                 | 12    | 45                  | DFN-1006-2L |
| PESDNC2FD3V3BS | 3.3                 | 1                         | 4.5~6.5             | 9.5   | 60                  | DFN-1006-2L |
| PESDNC2FD4V5B  | 4.5                 | 1                         | 4.7                 | 16    | 80                  | DFN-1006-2L |
| PESDNC2FD5VU   | 5                   | 1                         | 6.0                 | 30    | 100                 | DFN-1006-2L |
| PESDNC2FD5VB   | 5                   | 1                         | 5.6                 | 15    | 45                  | DFN-1006-2L |
| PESDNC2FD5VBL  | 5                   | 1                         | 6.0~9.0             | 7.0   | 60                  | DFN-1006-2L |
| PESDNC2FD5VBS  | 5                   | 1                         | 5.6                 | 12    | 40                  | DFN-1006-2L |
| PESDNC2FD5VBH  | 5                   | 1                         | 6.4                 | 35    | 100                 | DFN-1006-2L |
| PESDNC2FD7VU   | 7                   | 1                         | 7.5~10              | 40    | 120                 | DFN-1006-2L |
| PESDNC2FD7VB   | 7                   | 1                         | 7.5~10.5            | 21    | 110                 | DFN-1006-2L |
| PESDNC2FD8VB   | 8                   | 1                         | 9.0~13.0            | 13    | 30                  | DFN-1006-2L |
| PESDNC2FD12VU  | 12                  | 1                         | 13.5                | 15    | 80                  | DFN-1006-2L |
| PESDNC2FD12VB  | 12                  | 1                         | 14.0                | 8.0   | 90                  | DFN-1006-2L |
| PESDNC2FD12VBH | 12                  | 1                         | 14.5                | 25    | 250                 | DFN-1006-2L |
| PESDNC2FD18VB  | 18                  | 1                         | 19.0~24.0           | 22    | 120                 | DFN-1006-2L |
| PESDNC2FD24VB  | 24                  | 1                         | 25.0                | 15    | 300                 | DFN-1006-2L |
| PESDNC2FD30VB  | 30                  | 1                         | 31.0~36.0           | 18    | 250                 | DFN-1006-2L |
| PESDNC2FD36VB  | 36                  | 1                         | 37.0~42.0           | 15    | 400                 | DFN-1006-2L |
| PESDNC3FD5VB   | 5                   | 1                         | 5.6~7.0             | 16.5  | 100                 | DFN-1006-3L |
| PESDNC353T5VU  | 5                   | 5                         | 6.2                 | 15    | 100                 | SOT-353     |
| PESDNC523T5VU  | 5                   | 1                         | 5.6                 | 2.8   | 125                 | SOT-523     |
| PESDNC553T5VU  | 5                   | 1                         | 6.1                 | 31    | 100                 | SOT-553     |
| PESDNC563T5VU  | 5                   | 1                         | 6.1                 | 33    | 100                 | SOT-563     |

| Part No.       | V <sub>rw</sub> (V) | I <sub>r</sub> ( $\mu$ A) | V <sub>br</sub> (V) | C(pF) | P <sub>pk</sub> (W) | Package |
|----------------|---------------------|---------------------------|---------------------|-------|---------------------|---------|
| PESDNC9D3V3U   | 3.3                 | 1                         | 5.0~7.0             | 37    | 60                  | SOD-923 |
| PESDNC9D3V3B   | 3.3                 | 1                         | 4.0~6.5             | 8.0   | 40                  | SOD-923 |
| PESDNC9D5VU    | 5                   | 1                         | 6.0~7.2             | 30    | 100                 | SOD-923 |
| PESDNC9D5VB    | 5                   | 1                         | 5.6~7.8             | 12    | 80                  | SOD-923 |
| PESDNC9D7VU    | 7                   | 1                         | 8.0                 | 18    | 100                 | SOD-923 |
| PESDNC9D8VB    | 8                   | 1                         | 9.0~13.0            | 13    | 60                  | SOD-923 |
| PESDNC9D12VU   | 12                  | 1                         | 13.5                | 15    | 100                 | SOD-923 |
| PESDNC5D3V3U   | 3.3                 | 1                         | 5.0                 | 120   | 150                 | SOD-523 |
| PESDNC5D3V3B   | 3.3                 | 1                         | 5.0                 | 60    | 80                  | SOD-523 |
| PESDNC5D4V2U   | 4.2                 | 1                         | 5.0                 | 120   | 150                 | SOD-523 |
| PESDNC5D5VU    | 5                   | 0.5                       | 6.2~7.2             | 70    | 200                 | SOD-523 |
| PESDNC5D5VB    | 5                   | 1                         | 5.8~7.8             | 33    | 80                  | SOD-523 |
| PESDNC5D7VU    | 7                   | 1                         | 8.0                 | 80    | 260                 | SOD-523 |
| PESDNC5D12VU   | 12                  | 1                         | 13.8~15.2           | 45    | 350                 | SOD-523 |
| PESDNC3D3V3U   | 3.3                 | 1                         | 5.0                 | 220   | 350                 | SOD-323 |
| PESDNC3D5VU    | 5                   | 1                         | 6.0                 | 230   | 350                 | SOD-323 |
| PESDNC3D5VB    | 5                   | 1                         | 6.0                 | 120   | 550                 | SOD-323 |
| PESDNC3D8VBL1  | 8                   | 1                         | 9.0                 | 8     | 30                  | SOD-323 |
| PESDNC3D12VB   | 12                  | 1                         | 13.5                | 21    | 350                 | SOD-323 |
| PESDNC3D18VB   | 18                  | 1                         | 20.0                | 20    | 350                 | SOD-323 |
| PESDNC3D24VBL1 | 24                  | 1                         | 25.0                | 12    | 250                 | SOD-323 |
| PESDNC3D24VU   | 24                  | 1                         | 26.6                | 80    | 350                 | SOD-323 |
| PESDNC3D24VB   | 24                  | 1                         | 27.0                | 20    | 450                 | SOD-323 |
| PESDNC23T5VB   | 5                   | 1                         | 5.5                 | 70    | 150                 | SOT-23  |
| PESDNC23T12VU  | 12                  | 1                         | 13.0~16.0           | 60    | 300                 | SOT-23  |
| PESDNC23T22VU  | 22                  | 1                         | 23.5~26.5           | 80    | 300                 | SOT-23  |
| PESDNC23T24VU  | 24                  | 1                         | 25.5~28.5           | 80    | 300                 | SOT-23  |
| PESDNC23T24VB  | 24                  | 1                         | 27.5                | 20    | 350                 | SOT-23  |
| PESDNC23T27VU  | 27                  | 1                         | 29.0~35.0           | 50    | 300                 | SOT-23  |
| PESDNC23T1235  | 12                  | 1                         | 13.0~17.0           | 10    | 130                 | SOT-23  |
|                | 35                  | 1                         | 36.0~41.0           | 10    | 300                 |         |

| Part No.        | V <sub>rw</sub> (V) | I <sub>r</sub> ( $\mu$ A) | V <sub>br</sub> (V) | C(pF) | P <sub>pk</sub> (W) | Package     |
|-----------------|---------------------|---------------------------|---------------------|-------|---------------------|-------------|
| PESDHC2XD2VBF   | 2                   | 1                         | 2.5~5.0             | 50    | 160                 | DFN-0603-2L |
| PESDHC2FD2VB    | 2                   | 1                         | 2.5~4.0             | 60    | 300                 | DFN-1006-2L |
|                 | 3                   | 1                         | 3.2~4.5             | 60    | 300                 | DFN-1006-2L |
| PESDHC2FD4V5B   | 4.5                 | 1                         | 4.7                 | 70    | 300                 | DFN-1006-2L |
| PESDHC2FD4V5BH  | 4.5                 | 1                         | 4.7                 | 80    | 500                 | DFN-1006-2L |
| PESDHC2FD4V8UF  | 4.8                 | 1                         | 5.0~6.5             | 160   | 500                 | DFN-1006-2L |
| PESDHC2FD4V8UHF | 4.8                 | 1                         | 5.0~6.5             | 230   | 1000                | DFN-1006-2L |
| PESDHC2FD5VU    | 5                   | 1                         | 6.0~7.2             | 50    | 130                 | DFN-1006-2L |
| PESDHC2FD5VBH   | 5                   | 1                         | 5.4                 | 80    | 300                 | DFN-1006-2L |
| PESDHC2FD6V3UF  | 6.3                 | 1                         | 6.5~8.5             | 150   | 500                 | DFN-1006-2L |
| PESDHC2FD7VU    | 7                   | 1                         | 8.1~9.0             | 73    | 230                 | DFN-1006-2L |
| PESDHC2FD7VUH   | 7                   | 1                         | 7.5~10.0            | 180   | 450                 | DFN-1006-2L |
| PESDHC2FD7VB    | 7                   | 1                         | 7.5~10.0            | 39    | 300                 | DFN-1006-2L |
| PESDHC2FD12VU   | 12                  | 1                         | 14.5                | 46    | 180                 | DFN-1006-2L |
| PESDHC2FD15VUF  | 15                  | 1                         | 16~19               | 135   | 850                 | DFN-1006-2L |
| PTVSHC2EN3V3U   | 3.3                 | 2                         | 3.5                 | 400   | 1500                | DFN-1610-2L |
| PTVSHC2EN4V5B   | 4.5                 | 1                         | 4.6~6.1             | 300   | 1200                | DFN-1610-2L |
| PTVSHC2EN4V8UA  | 4.8                 | 5                         | 5.0~6.5             | 570   | 2000                | DFN-1610-2L |
| PTVSHC2EN4V8UF  | 4.8                 | 5                         | 5.0~6.5             | 530   | 2000                | DFN-1610-2L |
| PTVSHC2EN5VU    | 5                   | 1                         | 6.0~8.0             | 1000  | 1600                | DFN-1610-2L |
| PTVSHC2EN5VB    | 5                   | 2                         | 5.4                 | 260   | 1500                | DFN-1610-2L |
| PTVSHC2EN7VU    | 7                   | 1                         | 8.0                 | 550   | 1400                | DFN-1610-2L |
| PTVSHC2EN10VU   | 10                  | 1                         | 10.5                | 600   | 1600                | DFN-1610-2L |
| PTVSHC2EN12VU   | 12                  | 1                         | 13.5                | 355   | 1600                | DFN-1610-2L |
| PTVSHC2EN15V3   | 15                  | 1                         | 16.5~20.5           | 90    | 2000                | DFN-1610-2L |
|                 | 3                   | 5                         | 3.4~5.0             | 90    | 650                 |             |
| PESDHC9D5VU     | 5                   | 1                         | 6.0                 | 50    | 200                 | SOD-923     |
| PESDHC5D3V3U    | 3.3                 | 1                         | 5.0                 | 230   | 250                 | SOD-523     |
| PTVSHC3D4V5B    | 4.5                 | 2                         | 4.6                 | 320   | 2000                | SOD-323     |
| PTVSHC3D4V5BH   | 4.5                 | 1                         | 4.6                 | 300   | 2700                | SOD-323     |
| PTVSHC3D4V8UA   | 4.8                 | 5                         | 5.0~6.5             | 550   | 2000                | SOD-323     |
| PTVSHC3D5VU     | 5                   | 1                         | 6.0                 | 990   | 1400                | SOD-323     |
| PTVSHC3D5VB     | 5                   | 1                         | 5.1                 | 320   | 2000                | SOD-323     |
| PTVSHC3D7VU     | 7                   | 1                         | 8.0                 | 500   | 1100                | SOD-323     |
| PTVSHC3D7VUH    | 7                   | 1                         | 8.0                 | 640   | 2000                | SOD-323     |
| PTVSHC3D12VU    | 12                  | 1                         | 13.5                | 295   | 1300                | SOD-323     |
| PTVSHC3D12VUH   | 12                  | 1                         | 13.0~15.5           | 395   | 2000                | SOD-323     |
| PTVSHC3D15VU    | 15                  | 1                         | 16.0~19.0           | 285   | 1700                | SOD-323     |
| PTVSHC3D15VUH   | 15                  | 1                         | 16.0~19.0           | 325   | 1600                | SOD-323     |
| PTVSHC3D18VU    | 18                  | 1                         | 20.0~23.0           | 250   | 1200                | SOD-323     |

| Part No.       | Vrwm(V) | Ir(μA) | Vbr(V)    | C(pF) | Ppk(W) | Package       |
|----------------|---------|--------|-----------|-------|--------|---------------|
| PTVSHC3N4V5B   | 4.5     | 1      | 4.6~6.1   | 700   | 2800   | DFN-2020-3L   |
| PTVSHC3N4V8U   | 4.8     | 10     | 6.0~7.0   | 3000  | 3200   | DFN-2020-3L   |
| PTVSHC3N4V8UA  | 4.8     | 1      | 5.0~6.5   | 1000  | 3500   | DFN-2020-3L   |
| PTVSHC3N5VU    | 5       | 3      | 5.8~8.0   | 3000  | 6000   | DFN-2020-3L   |
| PTVSHC3N7VU    | 7       | 1      | 8.0~10.0  | 1700  | 4300   | DFN-2020-3L   |
| PTVSHC3N7VUL1  | 7       | 1      | 8.0~10.0  | 1150  | 3500   | DFN-2020-3L   |
| PTVSHC3N12VU   | 12      | 1      | 14.0      | 1000  | 4500   | DFN-2020-3L   |
| PTVSHC3N12VUL1 | 12      | 1      | 13.0      | 700   | 3000   | DFN-2020-3L   |
| PTVSHC3N15VU   | 15      | 1      | 16.0~19.0 | 800   | 4400   | DFN-2020-3L   |
| PTVSHC3N15VUH  | 15      | 1      | 16.0~19.0 | 980   | 5700   | DFN-2020-3L   |
| PTVSHC3N18VU   | 18      | 1      | 19.0      | 900   | 4000   | DFN-2020-3L   |
| PTVSHC3N20VU   | 20      | 1      | 21.0~23.0 | 900   | 5600   | DFN-2020-3L   |
| PTVSHC3N24VU   | 24      | 1      | 25.0~30.0 | 635   | 6000   | DFN-2020-3L   |
| PTVSHC3N24VUH  | 24      | 1      | 25.0~29.0 | 800   | 5500   | DFN-2020-3L   |
| PTVSHC3N24VUP  | 24      | 1      | 25.0~29.0 | 670   | 6600   | DFN-2020-3L   |
| PTVSHC1SF9VU   | 9       | 1      | 9.5~11.5  | 1700  | 5600   | SOD-123FL(薄型) |
| PTVSHC1SF12VBH | 12      | 1      | 13.0~15.0 | 430   | 4000   | SOD-123FL(薄型) |
| PTVSHC1SF24VBH | 24      | 1      | 25.0      | 280   | 5500   | SOD-123FL(薄型) |
| PTVSHC1SF28VBH | 28      | 1      | 29.0~35.0 | 300   | 5200   | SOD-123FL(薄型) |
| PTVSHC1TF12VU  | 12      | 1      | 13.0~15.0 | 1300  | 4600   | SOD-123FL(薄型) |
| PTVSHC1TF12VUH | 12      | 1      | 13.0~15.0 | 1030  | 6200   | SOD-123FL(薄型) |
| PTVSHC1TF15VU  | 15      | 1      | 16.5~19.0 | 1000  | 4200   | SOD-123FL(薄型) |
| PTVSHC1TF24VU  | 24      | 1      | 25.0~29.0 | 590   | 6000   | SOD-123FL(薄型) |
| PTVSHC1TF24VB  | 24      | 1      | 26.0~30.0 | 250   | 5200   | SOD-123FL(薄型) |
| PTVSHC1TF24VBH | 24      | 1      | 26.0~30.0 | 315   | 6500   | SOD-123FL(薄型) |
| PTVSHC1DF4V8U  | 4.8     | 500    | 5.0       | 1500  | 1800   | SOD-123FL     |
| PTVSHC1DF5VUL  | 5       | 5      | 6.0       | 1600  | 2000   | SOD-123FL     |
| PTVSHC1DF7VB   | 7       | 200    | 7.8       | 480   | 2400   | SOD-123FL     |
| PTVSHC1DF7VBH  | 7       | 200    | 7.8       | 520   | 3700   | SOD-123FL     |
| PTVSHC1DF12VB  | 12      | 1      | 13.5      | 350   | 3200   | SOD-123FL     |
| PTVSHC1DF12VBH | 12      | 1      | 13.5      | 450   | 4000   | SOD-123FL     |
| PTVSHC1DF15VU  | 15      | 1      | 16.8      | 750   | 3700   | SOD-123FL     |
| PTVSHC1DF18VB  | 18      | 1      | 19.5~23.5 | 185   | 2200   | SOD-123FL     |
| PTVSHC1DF24VB  | 24      | 5      | 25.0      | 148   | 3500   | SOD-123FL     |
| PTVSHC1DF24VBH | 24      | 1      | 25        | 280   | 5700   | SOD-123FL     |

| Part No.<br>(Uni) | Vrwm(V) | Vbr(V)@It |        | It(mA) | Vc(V) | Ipp(A) | Ir(μA) | Package   |
|-------------------|---------|-----------|--------|--------|-------|--------|--------|-----------|
|                   |         | min(V)    | max(V) |        |       |        |        |           |
| PTVSHC1DF5VU      | 5       | 6.4       | 7      | 10     | 9.2   | 21.7   | 200    | SOD-123FL |
| PTVSHC1DF6VU      | 6       | 6.7       | 7.4    | 10     | 10.3  | 19.4   | 100    | SOD-123FL |
| PTVSHC1DF6V5U     | 6.5     | 7.2       | 8      | 10     | 11.2  | 17.9   | 75     | SOD-123FL |
| PTVSHC1DF7VU      | 7       | 7.8       | 8.6    | 10     | 12    | 16.7   | 50     | SOD-123FL |
| PTVSHC1DF7V5U     | 7.5     | 8.3       | 9.2    | 1      | 12.9  | 15.5   | 50     | SOD-123FL |
| PTVSHC1DF8VU      | 8       | 8.9       | 9.8    | 1      | 13.6  | 14.7   | 25     | SOD-123FL |
| PTVSHC1DF8V5U     | 8.5     | 9.4       | 10.4   | 1      | 14.4  | 13.9   | 10     | SOD-123FL |
| PTVSHC1DF9VU      | 9       | 10        | 11.1   | 1      | 15.4  | 13     | 5      | SOD-123FL |
| PTVSHC1DF10VU     | 10      | 11.1      | 12.3   | 1      | 17    | 11.8   | 2.5    | SOD-123FL |
| PTVSHC1DF11VU     | 11      | 12.2      | 13.5   | 1      | 18.2  | 11     | 2.5    | SOD-123FL |
| PTVSHC1DF12VU     | 12      | 13.3      | 14.7   | 1      | 19.9  | 10.1   | 2.5    | SOD-123FL |
| PTVSHC1DF13VU     | 13      | 14.4      | 15.9   | 1      | 21.5  | 9.3    | 1      | SOD-123FL |
| PTVSHC1DF14VU     | 14      | 15.6      | 17.2   | 1      | 23.2  | 8.6    | 1      | SOD-123FL |
| PTVSHC1DF15VU     | 15      | 16.7      | 18.5   | 1      | 24.4  | 8.2    | 1      | SOD-123FL |
| PTVSHC1DF16VU     | 16      | 17.8      | 19.7   | 1      | 26    | 7.7    | 1      | SOD-123FL |
| PTVSHC1DF17VU     | 17      | 18.9      | 20.9   | 1      | 27.6  | 7.2    | 1      | SOD-123FL |
| PTVSHC1DF18VU     | 18      | 20        | 22.1   | 1      | 29.2  | 6.8    | 1      | SOD-123FL |
| PTVSHC1DF20VU     | 20      | 22.2      | 24.5   | 1      | 32.4  | 6.2    | 1      | SOD-123FL |
| PTVSHC1DF22VU     | 22      | 24.4      | 26.9   | 1      | 35.5  | 5.6    | 1      | SOD-123FL |
| PTVSHC1DF24VU     | 24      | 26.7      | 29.5   | 1      | 38.9  | 5.1    | 1      | SOD-123FL |
| PTVSHC1DF26VU     | 26      | 28.9      | 31.9   | 1      | 42.1  | 4.8    | 1      | SOD-123FL |
| PTVSHC1DF28VU     | 28      | 31.1      | 34.4   | 1      | 45.4  | 4.4    | 1      | SOD-123FL |
| PTVSHC1DF30VU     | 30      | 33.3      | 36.8   | 1      | 48.4  | 4.1    | 1      | SOD-123FL |
| PTVSHC1DF33VU     | 33      | 36.7      | 40.6   | 1      | 53.3  | 3.8    | 1      | SOD-123FL |
| PTVSHC1DF36VU     | 36      | 40        | 44.2   | 1      | 58.1  | 3.4    | 1      | SOD-123FL |
| PTVSHC1DF40VU     | 40      | 44.4      | 49.1   | 1      | 64.5  | 3.1    | 1      | SOD-123FL |
| PTVSHC1DF43VU     | 43      | 47.8      | 52.8   | 1      | 69.4  | 2.9    | 1      | SOD-123FL |
| PTVSHC1DF45VU     | 45      | 50        | 55.3   | 1      | 72.7  | 2.8    | 1      | SOD-123FL |
| PTVSHC1DF48VU     | 48      | 53.3      | 58.9   | 1      | 77.4  | 2.6    | 1      | SOD-123FL |
| PTVSHC1DF51VU     | 51      | 56.7      | 62.7   | 1      | 82.4  | 2.4    | 1      | SOD-123FL |
| PTVSHC1DF54VU     | 54      | 60        | 66.3   | 1      | 87.1  | 2.3    | 1      | SOD-123FL |
| PTVSHC1DF58VU     | 58      | 64.4      | 71.2   | 1      | 93.6  | 2.1    | 1      | SOD-123FL |

| Part No.<br>(Uni) | Part No.<br>(Bi) | V <sub>rw</sub> (V) | V <sub>br</sub> (V)@I <sub>t</sub> |        | I <sub>t</sub> (mA) | V <sub>c</sub> (V) | I <sub>pp</sub> (A) | I <sub>r</sub> (μA) | Package |
|-------------------|------------------|---------------------|------------------------------------|--------|---------------------|--------------------|---------------------|---------------------|---------|
|                   |                  |                     | min(V)                             | max(V) |                     |                    |                     |                     |         |
| SMAJ5.0A          | SMAJ5.0CA        | 5.0                 | 6.40                               | 7.00   | 10                  | 9.2                | 43.5                | 800                 | SMA     |
| SMAJ6.0A          | SMAJ6.0CA        | 6.0                 | 6.67                               | 7.37   | 10                  | 10.3               | 38.8                | 800                 | SMA     |
| SMAJ6.5A          | SMAJ6.5CA        | 6.5                 | 7.22                               | 7.98   | 10                  | 11.2               | 35.7                | 500                 | SMA     |
| SMAJ7.0A          | SMAJ7.0CA        | 7.0                 | 7.78                               | 8.60   | 10                  | 12.0               | 33.3                | 200                 | SMA     |
| SMAJ7.5A          | SMAJ7.5CA        | 7.5                 | 8.33                               | 9.21   | 1                   | 12.9               | 31.0                | 100                 | SMA     |
| SMAJ8.0A          | SMAJ8.0CA        | 8.0                 | 8.89                               | 9.83   | 1                   | 13.6               | 29.4                | 50                  | SMA     |
| SMAJ8.5A          | SMAJ8.5CA        | 8.5                 | 9.44                               | 10.40  | 1                   | 14.4               | 27.8                | 20                  | SMA     |
| SMAJ9.0A          | SMAJ9.0CA        | 9.0                 | 10.00                              | 11.10  | 1                   | 15.4               | 26.0                | 10                  | SMA     |
| SMAJ10A           | SMAJ10CA         | 10.0                | 11.10                              | 12.30  | 1                   | 17.0               | 23.5                | 5                   | SMA     |
| SMAJ11A           | SMAJ11CA         | 11.0                | 12.20                              | 13.50  | 1                   | 18.2               | 22.0                | 1                   | SMA     |
| SMAJ12A           | SMAJ12CA         | 12.0                | 13.30                              | 14.70  | 1                   | 19.9               | 20.1                | 1                   | SMA     |
| SMAJ13A           | SMAJ13CA         | 13.0                | 14.40                              | 15.90  | 1                   | 21.5               | 18.6                | 1                   | SMA     |
| SMAJ14A           | SMAJ14CA         | 14.0                | 15.60                              | 17.20  | 1                   | 23.2               | 17.2                | 1                   | SMA     |
| SMAJ15A           | SMAJ15CA         | 15.0                | 16.70                              | 18.50  | 1                   | 24.4               | 16.4                | 1                   | SMA     |
| SMAJ16A           | SMAJ16CA         | 16.0                | 17.80                              | 19.70  | 1                   | 26.0               | 15.4                | 1                   | SMA     |
| SMAJ17A           | SMAJ17CA         | 17.0                | 18.90                              | 20.90  | 1                   | 27.6               | 14.5                | 1                   | SMA     |
| SMAJ18A           | SMAJ18CA         | 18.0                | 20.00                              | 22.10  | 1                   | 29.2               | 13.7                | 1                   | SMA     |
| SMAJ20A           | SMAJ20CA         | 20.0                | 22.20                              | 24.50  | 1                   | 32.4               | 12.3                | 1                   | SMA     |
| SMAJ22A           | SMAJ22CA         | 22.0                | 24.40                              | 26.90  | 1                   | 35.5               | 11.3                | 1                   | SMA     |
| SMAJ24A           | SMAJ24CA         | 24.0                | 26.70                              | 29.50  | 1                   | 38.9               | 10.3                | 1                   | SMA     |
| SMAJ26A           | SMAJ26CA         | 26.0                | 28.90                              | 31.90  | 1                   | 42.1               | 9.5                 | 1                   | SMA     |
| SMAJ28A           | SMAJ28CA         | 28.0                | 31.10                              | 34.40  | 1                   | 45.4               | 8.8                 | 1                   | SMA     |
| SMAJ30A           | SMAJ30CA         | 30.0                | 33.30                              | 36.80  | 1                   | 48.4               | 8.3                 | 1                   | SMA     |
| SMAJ33A           | SMAJ33CA         | 33.0                | 36.70                              | 40.60  | 1                   | 53.3               | 7.5                 | 1                   | SMA     |
| SMAJ36A           | SMAJ36CA         | 36.0                | 40.00                              | 44.20  | 1                   | 48.1               | 6.9                 | 1                   | SMA     |
| SMAJ40A           | SMAJ40CA         | 40.0                | 44.40                              | 49.10  | 1                   | 64.5               | 6.2                 | 1                   | SMA     |
| SMAJ43A           | SMAJ43CA         | 43.0                | 47.80                              | 52.80  | 1                   | 69.4               | 5.8                 | 1                   | SMA     |
| SMAJ45A           | SMAJ45CA         | 45.0                | 50.00                              | 55.30  | 1                   | 72.7               | 5.5                 | 1                   | SMA     |
| SMAJ48A           | SMAJ48CA         | 48.0                | 53.30                              | 58.90  | 1                   | 77.4               | 5.2                 | 1                   | SMA     |
| SMAJ51A           | SMAJ51CA         | 51.0                | 56.70                              | 62.70  | 1                   | 82.4               | 4.9                 | 1                   | SMA     |
| SMAJ54A           | SMAJ54CA         | 54.0                | 60.00                              | 66.30  | 1                   | 87.1               | 4.6                 | 1                   | SMA     |
| SMAJ58A           | SMAJ58CA         | 58.0                | 64.40                              | 71.20  | 1                   | 93.6               | 4.3                 | 1                   | SMA     |

| Part No.<br>(Uni) | Part No.<br>(Bi) | Vrwm(V) | Vbr(V)@It |        | It(mA) | Vc(V) | Ipp(A) | Ir(μA) | Package |
|-------------------|------------------|---------|-----------|--------|--------|-------|--------|--------|---------|
|                   |                  |         | min(V)    | max(V) |        |       |        |        |         |
| SMBJ5.0A          | SMBJ5.0CA        | 5.0     | 6.40      | 7.00   | 10     | 9.2   | 65.3   | 800    | SMB     |
| SMBJ6.0A          | SMBJ6.0CA        | 6.0     | 6.67      | 7.37   | 10     | 10.3  | 58.3   | 800    | SMB     |
| SMBJ6.5A          | SMBJ6.5CA        | 6.5     | 7.22      | 7.98   | 10     | 11.2  | 53.6   | 500    | SMB     |
| SMBJ7.0A          | SMBJ7.0CA        | 7.0     | 7.78      | 8.60   | 10     | 12.0  | 50.0   | 200    | SMB     |
| SMBJ7.5A          | SMBJ7.5CA        | 7.5     | 8.33      | 9.21   | 1      | 12.9  | 46.6   | 100    | SMB     |
| SMBJ8.0A          | SMBJ8.0CA        | 8.0     | 8.89      | 9.83   | 1      | 13.6  | 44.2   | 50     | SMB     |
| SMBJ8.5A          | SMBJ8.5CA        | 8.5     | 9.44      | 10.40  | 1      | 14.4  | 41.7   | 20     | SMB     |
| SMBJ9.0A          | SMBJ9.0CA        | 9.0     | 10.00     | 11.10  | 1      | 15.4  | 39.0   | 10     | SMB     |
| SMBJ10A           | SMBJ10.CA        | 10.0    | 11.10     | 12.30  | 1      | 17.0  | 35.3   | 5      | SMB     |
| SMBJ11A           | SMBJ11CA         | 11.0    | 12.20     | 13.50  | 1      | 18.2  | 33.0   | 1      | SMB     |
| SMBJ12A           | SMBJ12CA         | 12.0    | 13.30     | 14.70  | 1      | 19.9  | 30.2   | 1      | SMB     |
| SMBJ13A           | SMBJ13CA         | 13.0    | 14.40     | 15.90  | 1      | 21.5  | 28     | 1      | SMB     |
| SMBJ14A           | SMBJ14CA         | 14.0    | 15.60     | 17.20  | 1      | 23.2  | 25.9   | 1      | SMB     |
| SMBJ15A           | SMBJ15CA         | 15.0    | 16.70     | 18.50  | 1      | 24.4  | 24.6   | 1      | SMB     |
| SMBJ16A           | SMBJ16CA         | 16.0    | 17.80     | 19.70  | 1      | 26.0  | 23.1   | 1      | SMB     |
| SMBJ17A           | SMBJ17CA         | 17.0    | 18.90     | 20.90  | 1      | 27.6  | 21.8   | 1      | SMB     |
| SMBJ18A           | SMBJ18CA         | 18.0    | 20.00     | 22.10  | 1      | 29.2  | 20.6   | 1      | SMB     |
| SMBJ20A           | SMBJ20CA         | 20.0    | 22.20     | 24.50  | 1      | 32.4  | 18.6   | 1      | SMB     |
| SMBJ22A           | SMBJ22CA         | 22.0    | 24.40     | 26.90  | 1      | 35.5  | 16.9   | 1      | SMB     |
| SMBJ24A           | SMBJ24CA         | 24.0    | 26.70     | 29.50  | 1      | 38.9  | 15.5   | 1      | SMB     |
| SMBJ26A           | SMBJ26CA         | 26.0    | 28.90     | 31.90  | 1      | 42.1  | 14.3   | 1      | SMB     |
| SMBJ28A           | SMBJ28CA         | 28.0    | 31.10     | 34.40  | 1      | 45.4  | 13.3   | 1      | SMB     |
| SMBJ30A           | SMBJ30CA         | 30.0    | 33.30     | 36.80  | 1      | 48.4  | 12.4   | 1      | SMB     |
| SMBJ33A           | SMBJ33CA         | 33.0    | 36.70     | 40.60  | 1      | 53.5  | 11.3   | 1      | SMB     |
| SMBJ36A           | SMBJ36CA         | 36.0    | 40.00     | 44.20  | 1      | 48.1  | 10.4   | 1      | SMB     |
| SMBJ40A           | SMBJ40CA         | 40.0    | 44.40     | 49.10  | 1      | 64.5  | 9.3    | 1      | SMB     |
| SMBJ43A           | SMBJ43CA         | 43.0    | 47.80     | 52.80  | 1      | 69.4  | 8.7    | 1      | SMB     |
| SMBJ45A           | SMBJ45CA         | 45.0    | 50.00     | 55.30  | 1      | 72.7  | 8.3    | 1      | SMB     |
| SMBJ48A           | SMBJ48CA         | 48.0    | 53.30     | 58.90  | 1      | 77.4  | 7.8    | 1      | SMB     |
| SMBJ51A           | SMBJ51CA         | 51.0    | 56.70     | 62.70  | 1      | 82.4  | 7.3    | 1      | SMB     |
| SMBJ54A           | SMBJ54CA         | 54.0    | 60.00     | 66.30  | 1      | 87.1  | 6.9    | 1      | SMB     |
| SMBJ58A           | SMBJ58CA         | 58.0    | 64.40     | 71.20  | 1      | 93.6  | 6.5    | 1      | SMB     |

| Part No.<br>(Uni) | Part No.<br>(Bi) | Vrwm(V) | Vbr(V)@It |        | It(mA) | Vc(V) | Ipp(A) | Ir(μA) | Package |
|-------------------|------------------|---------|-----------|--------|--------|-------|--------|--------|---------|
|                   |                  |         | min(V)    | max(V) |        |       |        |        |         |
| SMCJ11A           | SMCJ11CA         | 11.0    | 12.20     | 13.50  | 1      | 18.2  | 82.5   | 1      | SMC     |
| SMCJ12A           | SMCJ12CA         | 12.0    | 13.30     | 14.70  | 1      | 19.9  | 75.4   | 5      | SMC     |
| SMCJ13A           | SMCJ13CA         | 13.0    | 14.40     | 15.90  | 1      | 21.5  | 69.8   | 1      | SMC     |
| SMCJ14A           | SMCJ14CA         | 14.0    | 15.60     | 17.20  | 1      | 23.2  | 64.7   | 1      | SMC     |
| SMCJ15A           | SMCJ15CA         | 15.0    | 16.70     | 18.50  | 1      | 24.4  | 61.5   | 1      | SMC     |
| SMCJ16A           | SMCJ16CA         | 16.0    | 17.80     | 19.70  | 1      | 26.0  | 57.7   | 1      | SMC     |
| SMCJ17A           | SMCJ17CA         | 17.0    | 18.90     | 20.90  | 1      | 27.6  | 54.4   | 1      | SMC     |
| SMCJ18A           | SMCJ18CA         | 18.0    | 20.00     | 22.10  | 1      | 29.2  | 51.4   | 1      | SMC     |
| SMCJ20A           | SMCJ20CA         | 20.0    | 26.70     | 29.50  | 1      | 32.4  | 46.3   | 1      | SMC     |
| SMCJ22A           | SMCJ22CA         | 22.0    | 24.40     | 26.90  | 1      | 35.5  | 42.3   | 1      | SMC     |
| SMCJ24A           | SMCJ24CA         | 24.0    | 26.70     | 29.50  | 1      | 38.9  | 38.6   | 1      | SMC     |
| SMCJ26A           | SMCJ26CA         | 26.0    | 28.90     | 31.90  | 1      | 42.1  | 35.7   | 1      | SMC     |
| SMCJ28A           | SMCJ28CA         | 28.0    | 31.10     | 34.40  | 1      | 45.4  | 33.1   | 1      | SMC     |
| SMCJ30A           | SMCJ30CA         | 30.0    | 33.30     | 36.80  | 1      | 48.4  | 31     | 1      | SMC     |
| SMCJ33A           | SMCJ33CA         | 33.0    | 36.70     | 40.60  | 1      | 53.3  | 28.2   | 1      | SMC     |
| SMCJ36A           | SMCJ36CA         | 36.0    | 40.00     | 44.20  | 1      | 58.1  | 25.9   | 1      | SMC     |
| SMCJ40A           | SMCJ40CA         | 40.0    | 44.40     | 49.10  | 1      | 64.5  | 23.3   | 1      | SMC     |
| SMCJ43A           | SMCJ43CA         | 43.0    | 47.80     | 52.80  | 1      | 69.4  | 21.7   | 1      | SMC     |
| SMCJ45A           | SMCJ45CA         | 45.0    | 50.00     | 55.30  | 1      | 72.7  | 20.6   | 1      | SMC     |
| SMCJ48A           | SMCJ48CA         | 48.0    | 53.30     | 58.90  | 1      | 77.4  | 19.4   | 1      | SMC     |
| SMCJ51A           | SMCJ51CA         | 51.0    | 56.70     | 62.70  | 1      | 82.4  | 18.2   | 1      | SMC     |
| SMCJ54A           | SMCJ54CA         | 54.0    | 60.00     | 66.30  | 1      | 87.1  | 17.3   | 1      | SMC     |
| SMCJ58A           | SMCJ58CA         | 58.0    | 64.40     | 71.20  | 1      | 93.6  | 16.1   | 1      | SMC     |
| SMDJ60A           | SMDJ60CA         | 60      | 66.7      | 73.7   | 1      | 96.8  | 31     | 2      | SMD     |
| SMDJ64A           | SMDJ64CA         | 64      | 71.1      | 78.6   | 1      | 103   | 29.1   | 2      | SMD     |
| SMDJ70A           | SMDJ70CA         | 70      | 77.8      | 86     | 1      | 113   | 26.5   | 2      | SMD     |
| SMDJ75A           | SMDJ75CA         | 75      | 83.3      | 92.1   | 1      | 121   | 24.8   | 2      | SMD     |
| SMDJ78A           | SMDJ78CA         | 78      | 86.7      | 95.8   | 1      | 126   | 23.8   | 2      | SMD     |
| SMDJ85A           | SMDJ85CA         | 85      | 94.4      | 104    | 1      | 137   | 21.9   | 2      | SMD     |
| SMDJ90A           | SMDJ90CA         | 90      | 100       | 111    | 1      | 146   | 20.5   | 2      | SMD     |
| SMDJ100A          | SMDJ100CA        | 100     | 111       | 123    | 1      | 162   | 18.5   | 2      | SMD     |
| SMDJ110A          | SMDJ110CA        | 110     | 122       | 135    | 1      | 177   | 16.9   | 2      | SMD     |

| Part No.      | Vrrm | I(AV) | Ifsm | Vf @ If |      | Package     |
|---------------|------|-------|------|---------|------|-------------|
|               | (V)  | (A)   | (A)  | (V)     | (A)  |             |
| PSBD2XD30V005 | 30   | 0.05  | 0.5  | 0.55    | 0.05 | DFN-0603-2L |
| PSBD2XD40V005 | 40   | 0.05  | 0.5  | 0.55    | 0.05 | DFN-0603-2L |
| PSBD2XD40V01  | 40   | 0.1   | 2.0  | 0.47    | 0.1  | DFN-0603-2L |
| PSBD2FD30V01  | 30   | 0.1   | 0.5  | 0.35    | 0.01 | DFN-1006-2L |
| PSBD2FD40V01  | 40   | 0.1   | 0.5  | 0.37    | 0.01 | DFN-1006-2L |
| PSBD2FD40V01A | 40   | 0.1   | 2.0  | 0.47    | 0.1  | DFN-1006-2L |
| PSBD2FD40V02  | 40   | 0.2   | 0.8  | 0.5     | 0.2  | DFN-1006-2L |
| PSBD2FD20V1H  | 20   | 1.0   | 4.5  | 0.51    | 1.0  | DFN-1006-2L |
| PSBD2FD40V1H  | 40   | 1.0   | 5.0  | 0.55    | 1.0  | DFN-1006-2L |
| PSBD2FD40V1HA | 40   | 1.0   | 8.0  | 0.57    | 1.0  | DFN-1006-2L |
| PSBD2ED40V1H  | 40   | 1.0   | 7.0  | 0.57    | 1.0  | DFN-1608-2L |
| PSBD2ED40V2H  | 40   | 2.0   | 12   | 0.6     | 1.5  | DFN-1608-2L |
| PSBD9D30V01   | 30   | 0.1   | 0.5  | 0.48    | 0.1  | SOD-923     |
| PSBD520S-30   | 30   | 0.2   | 1.0  | 0.6     | 0.2  | SOD-523     |
| PSBD520S-40   | 40   | 0.2   | 1.0  | 0.6     | 0.2  | SOD-523     |
| PSBD521S-30   | 30   | 0.2   | 1.0  | 0.5     | 0.2  | SOD-523     |
| PSBD521S-40   | 40   | 0.2   | 1.0  | 0.5     | 0.2  | SOD-523     |
| PSBD551V-30   | 30   | 0.5   | 2.0  | 0.47    | 0.5  | SOD-323     |
| PSBD551V-40   | 40   | 0.5   | 2.0  | 0.47    | 0.5  | SOD-323     |
| PSBD3D30V1H   | 30   | 1.0   | 25   | 0.5     | 1.0  | SOD-323     |
| PSBD3D40V03   | 40   | 0.35  | 2.0  | 0.65    | 0.35 | SOD-323     |
| PSBD3D40V1H   | 40   | 1.0   | 8.0  | 0.5     | 1.0  | SOD-323     |
| PSBD3DF40V2H  | 40   | 2.0   | 15   | 0.47    | 2.0  | SOD-323(薄型) |
| PSBD3D60V1H   | 60   | 1.0   | 25   | 0.685   | 1.0  | SOD-323     |
| PBAT54T       | 30   | 0.2   | 1.0  | 0.46    | 0.2  | SOT-523     |
| PBAT54AT      | 30   | 0.2   | 1.0  | 0.46    | 0.2  | SOT-523     |
| PBAT54CT      | 30   | 0.2   | 1.0  | 0.46    | 0.2  | SOT-523     |
| PBAT54ST      | 30   | 0.2   | 1.0  | 0.46    | 0.2  | SOT-523     |
| PBAT54        | 30   | 0.2   | 0.6  | 1.0     | 0.1  | SOT-23      |
| PBAT54A       | 30   | 0.2   | 0.6  | 1.0     | 0.1  | SOT-23      |
| PBAT54C       | 30   | 0.2   | 0.6  | 1.0     | 0.1  | SOT-23      |
| PBAT54S       | 30   | 0.2   | 0.6  | 1.0     | 0.1  | SOT-23      |

| Part No.      | V <sub>rrm</sub> | I(AV) | I <sub>fsm</sub> | V <sub>f</sub> @ I <sub>f</sub> |     | Package   |
|---------------|------------------|-------|------------------|---------------------------------|-----|-----------|
|               | (V)              | (A)   | (A)              | (V)                             | (A) |           |
| PSBD3TD45V10H | 45               | 10    | 175              | 0.48                            | 10  | TO-277    |
| PSBD1DF20V1H  | 20               | 1.0   | 40               | 0.55                            | 1.0 | SOD-123FL |
| PSBD1DF40V1H  | 40               | 1.0   | 40               | 0.55                            | 1.0 | SOD-123FL |
| PSBD1DF60V1H  | 60               | 1.0   | 40               | 0.7                             | 1.0 | SOD-123FL |
| PSBD1DF80V1H  | 80               | 1.0   | 40               | 0.7                             | 1.0 | SOD-123FL |
| PSBD1DF100V1H | 100              | 1.0   | 30               | 0.85                            | 1.0 | SOD-123FL |
| PSBD1DF120V1H | 120              | 1.0   | 30               | 0.85                            | 1.0 | SOD-123FL |
| PSBD1DF150V1H | 150              | 1.0   | 30               | 0.9                             | 1.0 | SOD-123FL |
| PSBD1DF200V1H | 200              | 1.0   | 30               | 0.9                             | 1.0 | SOD-123FL |
| PSBD1DF20V2H  | 20               | 2.0   | 50               | 0.55                            | 2.0 | SOD-123FL |
| PSBD1DF40V2H  | 40               | 2.0   | 50               | 0.55                            | 2.0 | SOD-123FL |
| PSBD1DF40V2L  | 40               | 2.0   | 50               | 0.35                            | 2.0 | SOD-123FL |
| PSBD1DF60V2H  | 60               | 2.0   | 50               | 0.7                             | 2.0 | SOD-123FL |
| PSBD1DF80V2H  | 80               | 2.0   | 50               | 0.7                             | 2.0 | SOD-123FL |
| PSBD1DF100V2H | 100              | 2.0   | 40               | 0.85                            | 2.0 | SOD-123FL |
| PSBD1DF120V2H | 120              | 2.0   | 40               | 0.85                            | 2.0 | SOD-123FL |
| PSBD1DF150V2H | 150              | 2.0   | 40               | 0.95                            | 2.0 | SOD-123FL |
| PSBD1DF200V2H | 200              | 2.0   | 40               | 0.95                            | 2.0 | SOD-123FL |
| PSBD1DF20V3H  | 20               | 3.0   | 80               | 0.55                            | 3.0 | SOD-123FL |
| PSBD1DF40V3H  | 40               | 3.0   | 80               | 0.55                            | 3.0 | SOD-123FL |
| PSBD1DF60V3H  | 60               | 3.0   | 80               | 0.7                             | 3.0 | SOD-123FL |
| PSBD1DF80V3H  | 80               | 3.0   | 80               | 0.7                             | 3.0 | SOD-123FL |
| PSBD1DF100V3H | 100              | 3.0   | 80               | 0.85                            | 3.0 | SOD-123FL |
| PSBD1DF120V3H | 120              | 3.0   | 80               | 0.85                            | 3.0 | SOD-123FL |
| PSBD1DF150V3H | 150              | 3.0   | 80               | 0.95                            | 3.0 | SOD-123FL |
| PSBD1DF200V3H | 200              | 3.0   | 80               | 0.95                            | 3.0 | SOD-123FL |
| PSBDA40V3     | 40               | 3.0   | 80               | 0.55                            | 3.0 | SMA       |
| PSBDA60V3     | 60               | 3.0   | 80               | 0.7                             | 3.0 | SMA       |
| PSBDAF40V3    | 40               | 3.0   | 80               | 0.55                            | 3.0 | SMAF      |
| PSBDAF45V5    | 45               | 5.0   | 150              | 0.45                            | 5.0 | SMAF      |
| PSBDBF40V5    | 40               | 5.0   | 150              | 0.55                            | 5.0 | SMBF      |
| PSBDC100V3    | 100              | 3     | 80               | 0.85                            | 3   | SMC       |

| Part No.  | P <sub>d</sub><br>(W) | V <sub>ZT</sub> |      |      |                 | Z <sub>ZT</sub><br>(Ω) @I <sub>ZT</sub> | Z <sub>ZK</sub> |                 | Package     |
|-----------|-----------------------|-----------------|------|------|-----------------|-----------------------------------------|-----------------|-----------------|-------------|
|           |                       | Min.            | Nom. | Max. | I <sub>ZT</sub> |                                         | (Ω)             | I <sub>ZK</sub> |             |
|           |                       | (V)             | (V)  | (V)  | (mA)            |                                         |                 | (mA)            |             |
| PZ2FD3V3H | 0.25                  | 3.14            | 3.3  | 3.47 | 5               | 85                                      | 600             | 1               | DFN-1006-2L |
| PZ2FD4V2H | 0.25                  | -               | 5.1  | -    | 5               | 55                                      | 500             | 0.5             | DFN-1006-2L |
| PZ2FD5V6H | 0.25                  | -               | 5.6  | -    | 5               | 40                                      | 500             | 0.5             | DFN-1006-2L |
| PZ2FD14VH | 0.25                  | -               | 14   | -    | 5               | 30                                      | 110             | 0.5             | DFN-1006-2L |
| PZ9D4V2H  | 0.26                  | -               | 5.1  | -    | 5               | 40                                      | 200             | 1               | SOD-923     |
| PZ9D5V6U  | 0.26                  | -               | 5.6  | -    | 5               | 40                                      | 200             | 1               | SOD-923     |
| PZ5D2V4U  | 0.2                   | 2.2             | 2.4  | 2.6  | 5               | 100                                     | 1000            | 1               | SOD-523     |
| PZ5D2V7U  | 0.2                   | 2.5             | 2.7  | 2.9  | 5               | 100                                     | 1000            | 1               | SOD-523     |
| PZ5D3V0U  | 0.2                   | 2.8             | 3    | 3.2  | 5               | 100                                     | 1000            | 1               | SOD-523     |
| PZ5D3V3U  | 0.2                   | 3.1             | 3.3  | 3.5  | 5               | 95                                      | 1000            | 1               | SOD-523     |
| PZ5D3V6U  | 0.2                   | 3.4             | 3.6  | 3.8  | 5               | 90                                      | 1000            | 1               | SOD-523     |
| PZ5D3V9U  | 0.2                   | 3.7             | 3.9  | 4.1  | 5               | 90                                      | 1000            | 1               | SOD-523     |
| PZ5D4V2H  | 0.5                   | -               | 5.1  | -    | 5               | 100                                     | 500             | 0.5             | SOD-523     |
| PZ5D4V3U  | 0.2                   | 4               | 4.3  | 4.6  | 5               | 90                                      | 1000            | 1               | SOD-523     |
| PZ5D4V7U  | 0.2                   | 4.4             | 4.7  | 5    | 5               | 80                                      | 800             | 1               | SOD-523     |
| PZ5D5V1U  | 0.2                   | 4.8             | 5.1  | 5.4  | 5               | 60                                      | 500             | 1               | SOD-523     |
| PZ5D6V2H  | 0.5                   | 5.9             | 6.2  | 6.5  | 5               | 10                                      | 200             | 1               | SOD-523     |
| PZ5D8V2H  | 0.5                   | 7.8             | 8.2  | 8.6  | 5               | 15                                      | 80              | 1               | SOD-523     |
| PZ3D2V0U  | 0.3                   | 1.8             | 2    | 2.15 | 5               | 100                                     | -               | -               | SOD-323     |
| PZ3D2V2U  | 0.3                   | 2.08            | 2.2  | 2.33 | 5               | 100                                     | -               | -               | SOD-323     |
| PZ3D2V4U  | 0.3                   | 2.28            | 2.4  | 2.56 | 5               | 100                                     | -               | -               | SOD-323     |
| PZ3D2V7U  | 0.3                   | 2.5             | 2.7  | 2.9  | 5               | 110                                     | -               | -               | SOD-323     |
| PZ3D3V0U  | 0.3                   | 2.8             | 3    | 3.2  | 5               | 120                                     | -               | -               | SOD-323     |
| PZ3D3V3U  | 0.3                   | 3.1             | 3.3  | 3.5  | 5               | 130                                     | -               | -               | SOD-323     |
| PZ3D3V6U  | 0.3                   | 3.4             | 3.6  | 3.8  | 5               | 130                                     | -               | -               | SOD-323     |
| PZ3D3V9U  | 0.3                   | 3.7             | 3.9  | 4.1  | 5               | 130                                     | -               | -               | SOD-323     |
| PZ3D4V2H  | 0.5                   | -               | 5.1  | -    | 5               | 100                                     | -               | -               | SOD-323     |
| PZ3D4V3U  | 0.3                   | 4               | 4.3  | 4.6  | 5               | 130                                     | -               | -               | SOD-323     |
| PZ3D4V7U  | 0.3                   | 4.4             | 4.7  | 5    | 5               | 130                                     | -               | -               | SOD-323     |
| PZ1D16VH  | 0.5                   | 15.3            | 16   | 17.1 | 5               | 40                                      | -               | -               | SOD-123     |
| PZ1D18VH  | 0.5                   | 16.8            | 18   | 19.1 | 5               | 45                                      | -               | -               | SOD-123     |

| Part No.                | Transition frequency $f_T$ (MHz) | DC Current Gain $h_{FE}$ | Collector Current $I_C$ (A) | Collector-Base Breakdown Voltage $BV_{CBO}$ (V) | Emitter-Base Breakdown Voltage $BV_{EBO}$ (V) | Collector-Emitter Saturation Voltage $V_{CE(sat)}$ (V) | Collector-Emitter Breakdown Voltage $BV_{CEO}$ (V) | Package     |
|-------------------------|----------------------------------|--------------------------|-----------------------------|-------------------------------------------------|-----------------------------------------------|--------------------------------------------------------|----------------------------------------------------|-------------|
| PPT3FD503E0-2           | 100                              | 200                      | -0.1                        | -50                                             | -5                                            | -0.2                                                   | -40                                                | DFN-1006-3L |
| PNT3FD403E0-5           | 250                              | 200                      | 0.5                         | 40                                              | 6                                             | 0.1                                                    | 40                                                 | DFN-1006-3L |
| PPT3FD3906              | 250                              | 100                      | -0.2                        | -60                                             | -6                                            | -0.25                                                  | -40                                                | DFN-1006-3L |
| PNT3FD3904              | 300                              | 100                      | 0.2                         | 60                                              | 6                                             | 0.3                                                    | 40                                                 | DFN-1006-3L |
| PPT8N30E2               | -                                | 100                      | -3                          | -30                                             | -5                                            | -0.18                                                  | -30                                                | DFN-3020-8L |
| PPT8N30E2H              | -                                | 150                      | -3                          | -48                                             | -6                                            | -0.18                                                  | -30                                                | DFN-3020-8L |
| PT236T30E2              | -                                | 100                      | -3                          | -30                                             | -5                                            | -0.15                                                  | -30                                                | SOT-23-6L   |
| PT236T30E2H             | -                                | 100                      | -3.5                        | -30                                             | -5                                            | -0.15                                                  | -30                                                | SOT-23-6L   |
| PT236T30E2M             | -                                | 100                      | -3                          | -30                                             | -5                                            | -0.15                                                  | -30                                                | SOT-23-6L   |
| PPT89T30V5AE2M          | 120                              | 100                      | -5                          | -20                                             | -6                                            | -0.3                                                   | -30                                                | SOT-89-3L   |
| PNT723T503E0-2          | 200                              | 250                      | 0.15                        | 80                                              | 11                                            | 0.08                                                   | 50                                                 | SOT-723     |
| PNTET50V01              | -                                | 120                      | 0.1                         | 50                                              | 5                                             | 0.15                                                   | 50                                                 | SOT-523     |
| PNT523T503E0-2          | 200                              | 250                      | 0.15                        | 80                                              | 11                                            | 0.08                                                   | 50                                                 | SOT-523     |
| PPT523T503E0-2          | 100                              | 200                      | -0.1                        | -50                                             | -5                                            | -0.2                                                   | -40                                                | SOT-523     |
| PT23T5401               | 100                              | 50                       | -0.6                        | -160                                            | -5                                            | -0.2                                                   | -150                                               | SOT-23      |
| PNT23T503E0-2           | 200                              | 250                      | 0.15                        | 80                                              | 11                                            | 0.08                                                   | 50                                                 | SOT-23      |
| PT23T5551               | -                                | 80                       | 0.6                         | 180                                             | 6                                             | 0.2                                                    | 160                                                | SOT-23      |
| PT23T8550               | -                                | 100                      | -0.8                        | -10                                             | -6                                            | -0.5                                                   | -25                                                | SOT-23      |
| 2SC3356                 | 7                                | 130~180                  | 0.1                         | 20                                              | 2                                             | -                                                      | 12                                                 | SOT-23      |
| PT23T8050               | -                                | 200                      | 1.5                         | 40                                              | 6                                             | 0.5                                                    | 25                                                 | SOT-23      |
| PT23T9014               | 150                              | 100                      | 0.1                         | 50                                              | 5                                             | 0.3                                                    | 45                                                 | SOT-23      |
| PT23T9013               | 100                              | 112                      | 0.1                         | 40                                              | 5                                             | 0.6                                                    | 20                                                 | SOT-23      |
| PT23T3906               | 100                              | 100                      | -0.2                        | -60                                             | -6                                            | -0.4                                                   | -40                                                | SOT-23      |
| PT23T3904               | 300                              | 100                      | 0.2                         | 60                                              | 6                                             | 0.3                                                    | 40                                                 | SOT-23      |
| PT23T2222A              | 300                              | 100                      | 0.6                         | 75                                              | 6                                             | 0.3                                                    | 40                                                 | SOT-23      |
| PT23T2907A              | 200                              | 100                      | -0.6                        | -60                                             | -5                                            | -0.4                                                   | -60                                                | SOT-23      |
| PNMT6N1A<br>( NPN+PNP ) | -                                | 150                      | 3                           | -40                                             | -5                                            | -0.14                                                  | -30                                                | DFN-2020-6L |
|                         | 200                              | 250                      | 0.15                        | 80                                              | 10                                            | 0.08                                                   | 50                                                 | DFN-2020-6L |
| PNMT6N2A<br>( NPN+PNP ) | -                                | 150                      | 3                           | -40                                             | -5                                            | -0.14                                                  | -30                                                | DFN-2020-6L |
|                         | 200                              | 250                      | 0.15                        | 80                                              | 10                                            | 0.08                                                   | 50                                                 | DFN-2020-6L |

| Digital Transistor (NPN) |                                 |                          |                                       |                          |                                    |                        |             |
|--------------------------|---------------------------------|--------------------------|---------------------------------------|--------------------------|------------------------------------|------------------------|-------------|
| Part No.                 | Emitter base Resistance R2 (kΩ) | Input Resistance R1 (kΩ) | Collector Current (continuous) IC (A) | Collector Current IC (A) | Collector-Emitter Voltage Vce0 (V) | Supply Voltage Vcc (V) | Package     |
| PDTC114YN                | 47                              | 10                       | -                                     | 0.1                      | -                                  | 50                     | DFN-1006-3L |
| PDTC114EN                | 10                              | 10                       | -                                     | 0.1                      | -                                  | 50                     | DFN-1006-3L |
| PDTC114TM                | -                               | 10                       | 0.1                                   | -                        | 50                                 | -                      | SOT-723     |
| PDTC114YE                | 47                              | 10                       | -                                     | 0.1                      | -                                  | 50                     | SOT-523     |
| PDTC114TE                | -                               | 10                       | 0.1                                   | -                        | 50                                 | -                      | SOT-523     |
| PDTC114EE                | 10                              | 10                       | -                                     | 0.1                      | -                                  | 50                     | SOT-523     |
| PDTC123JE                | 47                              | 2.2                      | -                                     | 0.1                      | -                                  | 50                     | SOT-523     |
| PDTC143ZM                | 47                              | 4.7                      | -                                     | 0.1                      | -                                  | 50                     | SOT-723     |
| PDTC143TM                | -                               | 4.7                      | -                                     | 0.1                      | -                                  | 50                     | SOT-723     |
| PDTC143ZE                | 47                              | 4.7                      | -                                     | 0.1                      | -                                  | 50                     | SOT-523     |
| PDTC143EE                | 4.7                             | 4.7                      | -                                     | 0.1                      | -                                  | 50                     | SOT-523     |
| PDTC144EM                | 47                              | 47                       | -                                     | 0.1                      | -                                  | 50                     | SOT-723     |
| PDTC144EE                | 47                              | 47                       | -                                     | 0.1                      | -                                  | 50                     | SOT-523     |

| Digital Transistor (PNP) |                                 |                          |                          |                        |             |
|--------------------------|---------------------------------|--------------------------|--------------------------|------------------------|-------------|
| Part No.                 | Emitter Base Resistance R2 (kΩ) | Input Resistance R1 (kΩ) | Collector Current IC (A) | Supply Voltage Vcc (V) | Package     |
| PDTA114EN                | 10                              | 10                       | -0.1                     | -50                    | DFN-1006-2L |
| PDTA114YE                | 47                              | 10                       | -0.1                     | -50                    | SOT-523     |
| PDTA114EE                | 10                              | 10                       | -0.1                     | -50                    | SOT-523     |
| PDTA123JE                | 47                              | 2.2                      | -0.1                     | -50                    | SOT-523     |
| PDTA043ZM                | 47                              | 4.7                      | -0.1                     | -50                    | SOT-723     |
| PDTA143ZM                | 47                              | 4.7                      | -0.1                     | -50                    | SOT-723     |

| Dual-Digital Transistor (NPN+PNP) |             |            |             |         |              |         |
|-----------------------------------|-------------|------------|-------------|---------|--------------|---------|
| Part No.                          | Vi(off) (V) | Vi(on) (V) | Vo(off) (V) | Ii (mA) | Io(off) (uA) | Package |
| PDT6UT143Z                        | -0.5        | -1.3       | -0.1        | -1.8    | -0.5         | SOT-363 |

| Part No.       | Configuration | Vds (V) | Vgs (±V) | Id (A) | Rds(on) / mΩ max |      |      | Vgs(th)(V) |      | Package      |
|----------------|---------------|---------|----------|--------|------------------|------|------|------------|------|--------------|
|                |               |         |          |        | 10V              | 4.5V | 2.5V | min        | max  |              |
| PNM3FD201E0    | Single-N      | 20      | 8.0      | 0.3    | -                | -    | 500  | 0.5        | 1.1  | DFN-1006-3L  |
| PNM3FD20V1E    | Single-N      | 20      | 8.0      | 1.0    | -                | 200  | 250  | 0.4        | 0.9  | DFN-1006-3L  |
| PNM3FD703E0-2  | Single-N      | 40      | 20       | 0.18   | 7500             | -    | -    | 0.5        | 1.5  | DFN-1006-3L  |
| PNM6N20V10E    | Single-N      | 20      | 12       | 10     | -                | 7.5  | 9.5  | 0.25       | 1.25 | DFN-2020-6L  |
| PNM6N30V6      | Single-N      | 30      | 12       | 6.0    | 24               | 26   | 34   | 0.5        | 1.5  | DFN-2020-6L  |
| PNM6N30V12     | Single-N      | 30      | 20       | 12     | 12               | 15.5 | -    | 1.2        | 2.5  | DFN-2020-6L  |
| PNM8PN20V60    | Single-N      | 20      | 12       | 60     | -                | 4.7  | 7.0  | 0.5        | 1.1  | PDFN-3333-8L |
| PNM8PN30V35    | Single-N      | 30      | 20       | 35     | 7.2              | 11   | -    | 1.0        | 2.2  | PDFN-3333-8L |
| PNM8PN30V50    | Single-N      | 30      | 20       | 50     | 4.8              | 6.0  | -    | 1.5        | 2.5  | PDFN-3333-8L |
| PNM8N30V60     | Single-N      | 30      | 20       | 60     | 3.9              | 4.9  | -    | 1.0        | 3.0  | PDFN-5060-8L |
| PNM723T201E0   | Single-N      | 20      | 8.0      | 1.0    | -                | 200  | 250  | 0.5        | 1.1  | SOT-723      |
| PNM723T30V01   | Single-N      | 30      | 20       | 0.1    | 3000             | 4000 | 7000 | 0.5        | 1.5  | SOT-723      |
| PNM723T703E0-2 | Single-N      | 40      | 20       | 0.18   | 7500             | -    | -    | 0.5        | 1.5  | SOT-723      |
| PNM523T201E0   | Single-N      | 20      | 8.0      | 1.0    | -                | 200  | 250  | 0.5        | 1.1  | SOT-523      |
| PNMET20V06E    | Single-N      | 20      | 8.0      | 0.6    | -                | 300  | 500  | 0.5        | 0.85 | SOT-523      |
| PNM523T30V01   | Single-N      | 30      | 20       | 0.1    | 3000             | 4000 | 7000 | 0.5        | 1.5  | SOT-523      |
| PNM523T703E0-2 | Single-N      | 40      | 20       | 0.18   | 2000             | 3500 | -    | 0.5        | 1.5  | SOT-523      |
| PNMUT20V06     | Single-N      | 20      | 12       | 0.6    | -                | 300  | 500  | 0.5        | 0.85 | SOT-323      |
| PNMT201E0      | Single-N      | 20      | 8.0      | 0.3    | -                | 300  | 450  | 0.5        | 1.1  | SOT-23       |
| PNMT20V3       | Single-N      | 20      | 8.0      | 3.0    | -                | 43   | 52   | 0.6        | 1.2  | SOT-23       |
| PNMT20V6       | Single-N      | 20      | 10       | 5.5    | -                | 24   | 30   | 0.5        | 1.0  | SOT-23       |
| PNMT30V6       | Single-N      | 30      | 12       | 5.8    | 30               | 40   | 50   | 0.7        | 1.5  | SOT-23       |
| PNMT45V2       | Single-N      | 45      | 12       | 2.0    | 100              | 110  | -    | 0.5        | 1.5  | SOT-23       |
| PNMT60V02E     | Single-N      | 60      | 20       | 0.18   | 7500             | -    | -    | 0.5        | 1.5  | SOT-23       |
| PNMT60V3       | Single-N      | 60      | 20       | 3.0    | 82               | 96   | -    | 0.7        | 2    | SOT-23       |
| PNM8P30V12     | Single-N      | 30      | 20       | 12     | 12               | 17   | -    | 1.0        | 2.5  | SOP-8        |
| PNM8P30V20     | Single-N      | 30      | 20       | 23     | 2.5              | 3.7  | -    | 1.0        | 3.0  | SOP-8        |
| PNM8P60V20     | Single-N      | 60      | 20       | 20     | 5.3              | 6.0  | -    | 1.0        | 2.5  | SOP-8        |
| PNM8P150V4     | Single-N      | 150     | 20       | 4.0    | 60               | -    | -    | 2.0        | 4.0  | SOP-8        |
| PNMT6N1        | N+BJT         | 40      | 20       | 0.18   | -                | 4000 | -    | 0.5        | 1.5  | DFN-2020-6L  |
| PNMT6N1-LB     | N+BJT         | 40      | 20       | 0.18   | -                | 4000 | -    | 0.8        | 1.5  | DFN-2020-6L  |
| PNMT6N2        | N+BJT         | 40      | 20       | 0.18   | -                | 4000 | -    | 0.6        | 1.5  | DFN-2020-6L  |
| PNMT6N1B       | N+BJT         | 30      | 20       | 0.1    | 3000             | 4000 | 7000 | 0.5        | 1.5  | DFN-2020-6L  |
| PNMT6N1B-LB    | N+BJT         | 30      | 20       | 0.1    | 3000             | 4000 | 7000 | 0.5        | 1.5  | DFN-2020-6L  |
| PNMT6N2B       | N+BJT         | 30      | 20       | 0.1    | 3000             | 4000 | 7000 | 0.5        | 1.5  | DFN-2020-6L  |
| PNMT8N1        | N+BJT         | 20      | 20       | 0.3    | -                | 300  | 450  | 0.5        | 1.1  | DFN-3020-8L  |

| Part No.     | Configuration | Vds (V) | Vgs (±V) | Id (A) | Rds(on) / mΩ max |      |      | Vgs(th)(V) |       | Package      |
|--------------|---------------|---------|----------|--------|------------------|------|------|------------|-------|--------------|
|              |               |         |          |        | 10V              | 4.5V | 2.5V | min        | max   |              |
| PPM3FD20V1E  | Single-P      | -20     | 10       | -0.8   | -                | 450  | 620  | -0.45      | -0.85 | DFN-1006-3L  |
| PPM3FD201E0  | Single-P      | -20     | 10       | -0.3   | -                | 750  | 900  | -0.5       | -1.1  | DFN-1006-3L  |
| PPM6N12V5    | Single-P      | -12     | 10       | -5.0   | -                | 39   | 58   | -0.45      | -1.0  | DFN-2020-6L  |
| PPM6N12V10   | Single-P      | -12     | 8.0      | -10    | -                | 12   | 18   | -0.4       | -1.0  | DFN-2020-6L  |
| PPM6N20V5    | Single-P      | -20     | 12       | -5.0   | -                | 39   | 58   | -0.45      | -1.0  | DFN-2020-6L  |
| PPM6N20V10   | Single-P      | -20     | 12       | -10    | -                | 17   | 25   | -0.5       | -1.5  | DFN-2020-6L  |
| PPM6N30V4    | Single-P      | -30     | 12       | -4.2   | 53               | 65   | 86   | -0.7       | -1.3  | DFN-2020-6L  |
| PPM6N30V9    | Single-P      | -30     | 12       | -9.0   | -                | 21   | 28   | -0.6       | -1.5  | DFN-2020-6L  |
| PPM8PN30V25  | Single-P      | -30     | 20       | -25    | 17.5             | 26   | -    | -1.0       | -2.5  | PDFN-3333-8L |
| PPM723T201E0 | Single-P      | -20     | 10       | -0.8   | -                | 450  | 620  | -0.5       | -1.1  | SOT-723      |
| PPM523T201E0 | Single-P      | -20     | 6.0      | -0.8   | -                | 450  | 620  | -0.5       | -1.1  | SOT-523      |
| PPMET20V08E  | Single-P      | -20     | 8.0      | -0.8   | -                | 850  | 1200 | -0.35      | -1    | SOT-523      |
| PPMUT20V3    | Single-P      | -20     | 8.0      | -2.8   | -                | 110  | 150  | -0.45      | -0.9  | SOT-323      |
| PPMT12V4     | Single-P      | -12     | 8.0      | -4.3   | -                | 45   | 60   | -0.45      | -1.0  | SOT-23       |
| PPMT20V3     | Single-P      | -20     | 8.0      | -2.8   | -                | 110  | 150  | -0.45      | -0.9  | SOT-23       |
| PPMT20V4E    | Single-P      | -20     | 10       | -4.0   | -                | 37   | 49   | -0.4       | -1.0  | SOT-23       |
| PPMT30V3     | Single-P      | -30     | 20       | -3.0   | 70               | 95   | -    | -1.0       | -3.0  | SOT-23       |
| PPMT30V4     | Single-P      | -30     | 12       | -4.2   | 53               | 65   | 86   | -0.7       | -1.3  | SOT-23       |
| PPMT32V4     | Single-P      | -30     | 20       | -4.3   | 50               | 67   | -    | -1.0       | -3.0  | SOT-23       |
| PPMT50V02    | Single-P      | -50     | 20       | -0.13  | 10000            | -    | -    | -0.8       | -2.0  | SOT-23       |
| PPM3T18V6    | Single-P      | -18     | 12       | -6.0   | -                | 17.5 | 22   | -0.4       | -1.0  | SOT-23       |
| PPM3T60V2    | Single-P      | -60     | 20       | -2.0   | 110              | 130  | -    | -1.0       | -3.0  | SOT-23       |
| PPM8P30V8    | Single-P      | -30     | 20       | -8.0   | 20               | 30   | -    | -1.0       | -3.0  | SOP-8        |
| PPM8P40V8    | Single-P      | -40     | 20       | -8.0   | 16               | 21   | -    | -1.1       | -2.5  | SOP-8        |
| PPMS6N20V3   | P+SBD         | -20     | 10       | -2.8   | -                | 95   | 140  | -0.45      | -0.9  | DFN-2020-6L  |
|              |               | 20      | -        | 1      | -                | -    | -    | -          | -     |              |
| PPMS8N20V3   | P+SBD         | -20     | 10       | -2.8   | -                | 95   | 140  | -0.45      | -0.9  | DFN-3020-8L  |
|              |               | 20      | -        | 1      | -                | -    | -    | -          | -     |              |

| Dual N-Channel MOSFET |               |         |          |        |                  |      |      |            |      |             |
|-----------------------|---------------|---------|----------|--------|------------------|------|------|------------|------|-------------|
| Part No.              | Configuration | Vds (V) | Vgs (±V) | Id (A) | Rds(on) / mΩ max |      |      | Vgs(th)(V) |      | Package     |
|                       |               |         |          |        | 10V              | 4.5V | 2.5V | min        | max  |             |
| PDNM6N20V7E           | Dual-N        | 20      | 10       | 7.0    | -                | 14   | 19   | 0.45       | 0.95 | DFN-2030-6L |
| PDNM6N20V12E          | Dual-N        | 20      | 12       | 12     | -                | 6.0  | 8.3  | 0.45       | 1.2  | DFN-2030-6L |
| PDNM6N30V7            | Dual-N        | 30      | 20       | 7.6    | 17               | 22   | -    | 1.2        | 2.4  | DFN-2020-6L |
| PDNM8PN30V12          | Dual-N        | 30      | 20       | 12     | 12               | 15.5 | -    | 1.2        | 2.5  | DFN-3333-8L |
| PDNM6ET20V05          | Dual-N        | 20      | 8.0      | 0.5    | -                | 290  | -    | 0.65       | 1.5  | SOT-563     |
| PDNM6UT20V05          | Dual-N        | 20      | 8.0      | 0.5    | -                | 290  | 350  | 0.5        | 1.1  | SOT-363     |
| PDNM6T20V2E           | Dual-N        | 20      | 8.0      | 2.0    | -                | 36   | 45   | 0.5        | 1.0  | SOT-23-6L   |
| PDNM6T20V7E           | Dual-N        | 20      | 12       | 7.0    | -                | 16   | 20   | 0.5        | 1.0  | SOT-23-6L   |
| PDNM8P60V5            | Dual-N        | 60      | 20       | 5.0    | 26               | 32   | -    | 1.2        | 2.5  | SOP-8       |
| PDNM8TP20V6           | Dual-N        | 20      | 12       | 6.0    | -                | 19   | 25   | 0.6        | 1.0  | TSSOP-8     |
| PDNM8TP20V6E          | Dual-N        | 20      | 12       | 6.0    | -                | 19   | 25   | 0.6        | 1.0  | TSSOP-8     |
| PDNM8TP20V7E          | Dual-N        | 20      | 10       | 7.0    | -                | 14   | 18   | 0.45       | 0.95 | TSSOP-8     |

| Dual P-Channel MOSFET |               |         |          |        |                  |      |      |            |       |             |
|-----------------------|---------------|---------|----------|--------|------------------|------|------|------------|-------|-------------|
| Part No.              | Configuration | Vds (V) | Vgs (±V) | Id (A) | Rds(on) / mΩ max |      |      | Vgs(th)(V) |       | Package     |
|                       |               |         |          |        | 10V              | 4.5V | 2.5V | min        | max   |             |
| PDPM6N20V3            | Dual-P        | -20     | 12       | -3.0   | -                | 60   | 89   | -0.4       | -1.0  | DFN-2020-6L |
| PDPM6UT20V1E          | Dual-P        | -20     | 10       | -0.8   | -                | 450  | 620  | -0.45      | -0.85 | SOT-363     |
| PDPM8P30V5            | Dual-P        | -30     | 20       | -5.3   | 43               | 68   | -    | -1.0       | -3.0  | SOP-8       |

| N+P Channel MOSFET |               |         |          |        |                  |      |      |            |       |           |
|--------------------|---------------|---------|----------|--------|------------------|------|------|------------|-------|-----------|
| Part No.           | Configuration | Vds (V) | Vgs (±V) | Id (A) | Rds(on) / mΩ max |      |      | Vgs(th)(V) |       | Package   |
|                    |               |         |          |        | 10V              | 4.5V | 2.5V | min        | max   |           |
| PDM6ET20V08E       | N+P           | 20      | 8.0      | 0.8    | -                | 200  | 250  | 0.4        | 0.8   | SOT-563   |
|                    |               | -20     | 8.0      | -0.8   | -                | 450  | 620  | -0.45      | -0.85 |           |
| PDM6UT20V08E       | N+P           | 20      | 8.0      | 0.6    | -                | 300  | 450  | 0.5        | 1.1   | SOT-363   |
|                    |               | -20     | 8.0      | -0.8   | -                | 1200 | 1500 | -0.5       | -1.1  |           |
| PDM6T20V3          | N+P           | 20      | 8.0      | 3.0    | -                | 43   | 52   | 0.6        | 1.2   | SOT-23-6L |
|                    |               | -20     | 8.0      | -2.8   | -                | 80   | 110  | -0.45      | -0.9  |           |

| Type                       | Part No.     | V <sub>DRW</sub> (V) | V <sub>S</sub> (V) | V <sub>T</sub> (V) | I <sub>DRM</sub> (μA) | C(pF) | Package |
|----------------------------|--------------|----------------------|--------------------|--------------------|-----------------------|-------|---------|
| PEL Series<br>ESD&Lighting | PELA5VB003LC | 6                    | 25                 | 4                  | 1                     | 15    | SMA     |
|                            | PELB5VB003MC | 6.2                  | 25                 | 4                  | 1                     | 25    | SMB     |
|                            | PELA5VB1     | 6                    | 25                 | 4                  | 1                     | 55    | SMA     |
|                            | PELB5VB1     | 6.2                  | 25                 | 4                  | 1                     | 120   | SMB     |
|                            | PELC5VB1     | 6                    | 25                 | 4                  | 1                     | 150   | SMC     |
| POV0080                    | POV0080SA    | 6                    | 25                 | 4                  | 1                     | 60    | SMA     |
|                            | POV0080SB    | 6                    | 25                 | 4                  | 1                     | 80    | SMB     |
|                            | POV0080SC    | 6                    | 25                 | 4                  | 1                     | 120   | SMB     |
| POV0300                    | POV0300SA    | 25                   | 40                 | 4                  | 1                     | 60    | SMA     |
|                            | POV0300SB    | 25                   | 40                 | 4                  | 1                     | 80    | SMB     |
|                            | POV0300SC    | 25                   | 40                 | 4                  | 1                     | 120   | SMB     |
| POV0640                    | POV0640SA    | 58                   | 77                 | 4                  | 1                     | 60    | SMA     |
|                            | POV0640SB    | 58                   | 77                 | 4                  | 1                     | 80    | SMB     |
|                            | POV0640SC    | 58                   | 77                 | 4                  | 1                     | 110   | SMB     |
| POV0720                    | POV0720SA    | 65                   | 88                 | 4                  | 1                     | 60    | SMA     |
|                            | POV0720SB    | 65                   | 88                 | 4                  | 1                     | 70    | SMB     |
|                            | POV0720SC    | 65                   | 88                 | 4                  | 1                     | 110   | SMB     |
| POV0900                    | POV0900SA    | 75                   | 98                 | 4                  | 1                     | 55    | SMA     |
|                            | POV0900SB    | 75                   | 98                 | 4                  | 1                     | 70    | SMB     |
|                            | POV0900SC    | 75                   | 98                 | 4                  | 1                     | 100   | SMB     |
| POV1100                    | POV1100SA    | 90                   | 130                | 4                  | 1                     | 55    | SMA     |
|                            | POV1100SB    | 90                   | 130                | 4                  | 1                     | 70    | SMB     |
|                            | POV1100SC    | 90                   | 130                | 4                  | 1                     | 100   | SMB     |
| POV1300                    | POV1300SA    | 120                  | 160                | 4                  | 1                     | 55    | SMA     |
|                            | POV1300SB    | 120                  | 160                | 4                  | 1                     | 70    | SMB     |
|                            | POV1300SC    | 120                  | 160                | 4                  | 1                     | 90    | SMB     |
| POV1500                    | POV1500SA    | 140                  | 180                | 4                  | 1                     | 55    | SMA     |
|                            | POV1500SB    | 140                  | 180                | 4                  | 1                     | 65    | SMB     |
|                            | POV1500SC    | 140                  | 180                | 4                  | 1                     | 90    | SMB     |
| POV1800                    | POV1800SA    | 170                  | 220                | 4                  | 1                     | 50    | SMA     |
|                            | POV1800SB    | 170                  | 220                | 4                  | 1                     | 65    | SMB     |
|                            | POV1800SC    | 170                  | 220                | 4                  | 1                     | 85    | SMB     |
| POV2300                    | POV2300SA    | 190                  | 260                | 4                  | 1                     | 50    | SMA     |
|                            | POV2300SB    | 190                  | 260                | 4                  | 1                     | 60    | SMB     |
|                            | POV2300SC    | 190                  | 260                | 4                  | 1                     | 85    | SMB     |
| POV2600                    | POV2600SA    | 220                  | 300                | 4                  | 1                     | 45    | SMA     |
|                            | POV2600SB    | 220                  | 300                | 4                  | 1                     | 60    | SMB     |
|                            | POV2600SC    | 220                  | 300                | 4                  | 1                     | 85    | SMB     |
| POV3100                    | POV3100SA    | 275                  | 350                | 4                  | 1                     | 45    | SMA     |
|                            | POV3100SB    | 275                  | 350                | 4                  | 1                     | 55    | SMB     |
|                            | POV3100SC    | 275                  | 350                | 4                  | 1                     | 80    | SMB     |
| POV3500                    | POV3500SA    | 320                  | 240                | 4                  | 1                     | 40    | SMA     |
|                            | POV3500SB    | 320                  | 240                | 4                  | 1                     | 55    | SMB     |
|                            | POV3500SC    | 320                  | 240                | 4                  | 1                     | 80    | SMB     |

| Rectifier Diode |                    |                    |                    |                           |           |
|-----------------|--------------------|--------------------|--------------------|---------------------------|-----------|
| Part No.        | V <sub>f</sub> (V) | V <sub>r</sub> (V) | I <sub>f</sub> (A) | I <sub>r</sub> ( $\mu$ A) | Package   |
| P1N4148WS       | 1                  | 75                 | 0.15               | 1                         | SOD-323   |
| 1N1D4148        | 1                  | 75                 | 0.15               | 0.5                       | SOD-123   |
| P1N4148W        | 1                  | 75                 | 0.15               | 1                         | SOD-123FL |
| P1N4007W        | 1.1                | 1000               | 1                  | 5                         | SOD-123FL |
| PS12MW          | 1                  | 1000               | 1.2                | 5                         | SOD-123FL |
| PS15MW          | 1                  | 1000               | 1.5                | 1                         | SOD-123FL |
| PS2MW           | 1.1                | 1000               | 2                  | 5                         | SOD-123FL |
| PM7             | 1.1                | 1000               | 1                  | 5                         | SMAF      |
| PS1MF           | 1.1                | 1000               | 1                  | 5                         | SMAF      |
| PS2MF           | 1.1                | 1000               | 2                  | 5                         | SMAF      |
| PS3MF           | 1.2                | 1000               | 3                  | 5                         | SMAF      |
| PS1MBF          | 1.1                | 1000               | 1                  | 5                         | SMBF      |
| PS2MBF          | 1.1                | 1000               | 2                  | 5                         | SMBF      |
| PS3MBF          | 1.1                | 1000               | 3                  | 5                         | SMBF      |

| Bridge Device |                      |                      |                    |             |                    |         |
|---------------|----------------------|----------------------|--------------------|-------------|--------------------|---------|
| Part No.      | V <sub>rrw</sub> (V) | V <sub>rms</sub> (V) | I <sub>o</sub> (A) | I( $\mu$ A) | V <sub>F</sub> (V) | Package |
| MB10S-L       | 1000                 | 700                  | 0.5                | 5           | 1.1                | MBS     |
| MB10S-M       | 1000                 | 700                  | 0.8                | 5           | 1.1                | MBS     |
| MB10S         | 1000                 | 700                  | 0.8                | 5           | 1.1                | MBS     |
| MB10S-10      | 1000                 | 700                  | 1.0                | 5           | 1.1                | MBS     |
| MB10S-12      | 1000                 | 700                  | 1.2                | 5           | 1.1                | MBS     |
| MB10F         | 1000                 | 700                  | 0.8                | 5           | 1.1                | MBF     |
| MB10F-10      | 1000                 | 700                  | 1.0                | 5           | 1.1                | MBF     |
| MB10F-12      | 1000                 | 700                  | 1.2                | 5           | 1.1                | MBF     |
| UM10B         | 1000                 | 700                  | 0.8                | 3           | 1.1                | UMB     |
| UM10B-10      | 1000                 | 700                  | 1.0                | 5           | 1.1                | UMB     |
| TB10S         | 1000                 | 700                  | 1.0                | 10          | 0.95               | ABS     |
| TB10S-12      | 1000                 | 700                  | 1.2                | 10          | 0.95               | ABS     |
| PMSB20M       | 1000                 | 700                  | 2.0                | 5           | 1.1                | UMSB    |

| Part No. | Vf(V) | Vr(V) | trr(ns) | If(A) | Ir(uA) | Package   |
|----------|-------|-------|---------|-------|--------|-----------|
| PFR107W  | 1.3   | 1000  | 500     | 1     | 5      | SOD-123FL |
| PRS2MW   | 1.3   | 1000  | 500     | 2     | 5      | SOD-123FL |
| PUS1MW   | 1.7   | 1000  | 75      | 1     | 5      | SOD-123FL |
| PUS2MW   | 1.7   | 1000  | 75      | 2     | 5      | SOD-123FL |
| PES1JW   | 1.7   | 600   | 100     | 0.5   | 1      | SOD-123FL |
| PES2JW   | 1.7   | 600   | 35      | 2     | 5      | SOD-123FL |
| PRS1MF   | 1.3   | 1000  | 500     | 1     | 5      | SMAF      |
| PRS2MF   | 1.3   | 1000  | 500     | 2     | 5      | SMAF      |
| PRS3MF   | 1.3   | 1000  | 250     | 3     | 5      | SMAF      |
| PUS1MF   | 1.7   | 1000  | 75      | 1     | 5      | SMAF      |
| PUS2MF   | 1.7   | 1000  | 75      | 2     | 5      | SMAF      |
| PUS3MF   | 1.7   | 1000  | 100     | 3     | 5      | SMAF      |
| PES1JF   | 1.7   | 600   | 35      | 1     | 5      | SMAF      |
| PES2JF   | 1.7   | 600   | 35      | 2     | 5      | SMAF      |
| PES3JF   | 1.7   | 600   | 35      | 3     | 5      | SMAF      |
| PRS2MBF  | 1.3   | 1000  | 500     | 2     | 5      | SMBF      |
| PRS3MBF  | 1.3   | 1000  | 250     | 3     | 5      | SMBF      |
| PUS2MBF  | 1.6   | 1000  | 75      | 2     | 5      | SMBF      |
| PUS3MBF  | 1.6   | 1000  | 75      | 3     | 5      | SMBF      |
| PES2JBF  | 1.65  | 600   | 35      | 2     | 5      | SMBF      |
| PES3JBF  | 1.68  | 600   | 35      | 3     | 5      | SMBF      |
| PES5JBF  | 1.7   | 600   | 35      | 5     | 10     | SMBF      |

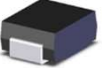
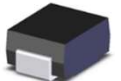
## EOS Selection For Vbat

| Vrwm | Part No.       | Package    | Key Parameters |         |        |         | Vt(8/20us) |
|------|----------------|------------|----------------|---------|--------|---------|------------|
|      |                |            | Vbr (V)        | Ir (uA) | Vc (V) | Ipp (A) |            |
| 4.5V | PESDHC2FD4V5B  | DFN1006-2L | 4.7            | 1       | 12     | 30      | 60         |
|      | PESDHC2FD4V5BH | DFN1006-2L | 4.7            | 1       | 14     | 36      | 80         |
|      | PTVSHC2EN4V5B  | DFN1610-2L | 4.6~6.1        | 2       | 10     | 130     | 270        |
|      | PTVSHC3D4V5U   | SOD-323    | 5~7            | 5       | 13.5   | 100     | 220        |
|      | PTVSHC3D4V5B   | SOD-323    | 4.6~6.1        | 2       | 14     | 130     | 280        |
|      | PTVSHC3D4V5BH  | SOD-323    | 4.6            | 2       | 17.5   | 160     | 330        |
|      | PTVSHC3N4V5B   | DFN2020-3L | 4.6~6.1        | 1       | 12     | 240     | 500        |
| 4.8V | PESDHC2FD4V8UF | DFN1006-2L | 5.0~6.5        | 1       | 9      | 60      | 120        |
|      | PESDHC2EN4V8UF | DFN1610-2L | 5.0~6.5        | 5       | 9      | 180     | 360        |
|      | PTVSHC3D4V8UA  | SOD-323    | 5.0~6.5        | 5       | 14.5   | 170     | 350        |
|      | PTVSHC3N4V8U   | DFN2020-3L | 5.0~7.0        | 10      | 14.5   | 220     | 450        |
|      | PTVSHC3N4V8UA  | DFN2020-3L | 5.0~6.5        | 5       | 12     | 320     | 650        |
| 5V   | PESDHC2FD5VBH  | DFN1006-2L | 4.6~6.5        | 1       | 9.5    | 33      | 70         |
|      | PTVSHC2EN5VU   | DFN1610-2L | 6.0~8.0        | 1       | 12.5   | 130     | 280        |
|      | PTVSHC2EN5VB   | DFN1610-2L | 4.6~6.5        | 2       | 11     | 140     | 300        |
|      | PTVSHC3D5VU    | SOD-323    | 6.0~8.0        | 2       | 14.5   | 100     | 220        |
|      | PTVSHC3D5VB    | SOD-323    | 5.1            | 1       | 11.5   | 130     | 260        |
|      | PTVSHC3N5VU    | DFN2020-3L | 5.8~8.0        | 3       | 18.5   | 300     | 600        |

## EOS Selection For Vbus

| Vrwm | Part No.       | Package      | Key Parameters |         |        |         | Vt(8/20us) |
|------|----------------|--------------|----------------|---------|--------|---------|------------|
|      |                |              | Vbr (V)        | Ir (uA) | Vc (V) | Ipp (A) |            |
| 7V   | PESDHC2FD7VU   | DFN1006-2L   | 8.1~9.0        | 1       | 16.5   | 15      | 40         |
|      | PESDHC2FD7VB   | DFN1006-2L   | 7.2~10         | 1       | 19     | 14.5    | 45         |
|      | PTVSHC1DF7VB   | SOD123FL     | 7.8            | 200     | 16.5   | 145     | 300        |
|      | PTVSHC1DF7VBH  | SOD123FL     | 7.8            | 200     | 19     | 185     | 380        |
|      | PTVSHC3N7VU    | DFN2020-3L   | 8.0~10         | 1       | 15     | 200     | 420        |
| 12V  | PTVSHC1DF12VU  | SOD123FL     | 13~15          | 2.5     | 27     | 145     | 300        |
|      | PTVSHC1DF12VBH | SOD123FL     | 13~15          | 1       | 25     | 160     | 350        |
|      | PTVSHC1TF12VUH | SOD123FL (薄) | 13~15          | 1       | 27     | 220     | 450        |
|      | PTVSHC3N12VU   | DFN2020-3L   | 14.5           | 1       | 25     | 185     | 400        |
| 15V  | PTVSHC1DF15VU  | SOD123FL     | 17             | 1       | 28     | 135     | 300        |
|      | PTVSHC1TF15VU  | SOD123FL (薄) | 16.5~19        | 1       | 26     | 160     | 350        |
|      | PTVSHC3N15VU   | DFN2020-3L   | 16~19          | 1       | 29     | 130     | 300        |
|      | PTVSHC3N15VUH  | DFN2020-3L   | 16~19          | 1       | 33.5   | 170     | 380        |
| 18V  | PTVSHC3N18VU   | DFN2020-3L   | 20             | 1       | 31     | 138     | 300        |
| 20V  | PTVSHC3N20VU   | DFN2020-3L   | 21~25          | 1       | 36     | 160     | 350        |
| 24V  | PTVSHC1TF24VU  | SOD123FL (薄) | 25~29          | 1       | 32     | 180     | 400        |
|      | PTVSHC1SF24VBH | SOD123FL (薄) | 25~29          | 1       | 30     | 185     | 420        |
|      | PTVSHC1TF24VBH | SOD123FL (薄) | 26~30          | 1       | 35     | 185     | 420        |
|      | PTVSHC3N24VUH  | DFN2020-3L   | 25~29          | 1       | 40     | 140     | 300        |
|      | PTVSHC3N24VUP  | DFN2020-3L   | 25~29          | 1       | 34     | 180     | 400        |
| 28V  | PTVSHC1SF28VBH | SOD123FL (薄) | 29~35          | 1       | 33     | 160     | 350        |

| DFN Series   | Package                                                                             | SOD Series               | Package                                                                             | SOT/P Series | Package                                                                               |
|--------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|
| DFN-0603-2L  |    | SOD-923                  |    | SOT-723      |    |
| DFN-1006-2L  |    | SOD-523                  |    | SOT-523      |    |
| DFN-1006-3L  |    | SOD-323                  |    | SOT-363      |    |
| DFN-2020-3L  |    | SOD-323F(薄)<br>厚度<0.8mm  |    | SOT-89       |    |
| DFN-2020-6L  |   | SOD123                   |   | SOT-23       |   |
| PDFN-3333-8L |  | SOD-123FL                |  | SOT-23-6L    |  |
| PDFN-5060-8L |  | SOD-123FL(薄)<br>厚度<1.0mm |  | SOP-8        |  |

| Package  | Package                                                                             | Package | Package                                                                             | Package | Package                                                                               |
|----------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|
| SMA      |  | SMAF    |  | MBS     |  |
| SMB      |  | SMBF    |  | MBF     |  |
| SMC      |  | TSSOP-8 |  | ABS     |  |
| DO-128AB |  | TO-251  |  | TO-252  |  |



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