



Microfuse RoHS & Pb-free
好利® 保险丝管



产 品 规 格 书

PRODUCT SPECIFICATION

自恢复保险丝

RESETTABLE FUSE

PSP (250V) SERIES

编码: A01 HLD-PSI-2006 2022/12/15

制定:

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2022.12.12

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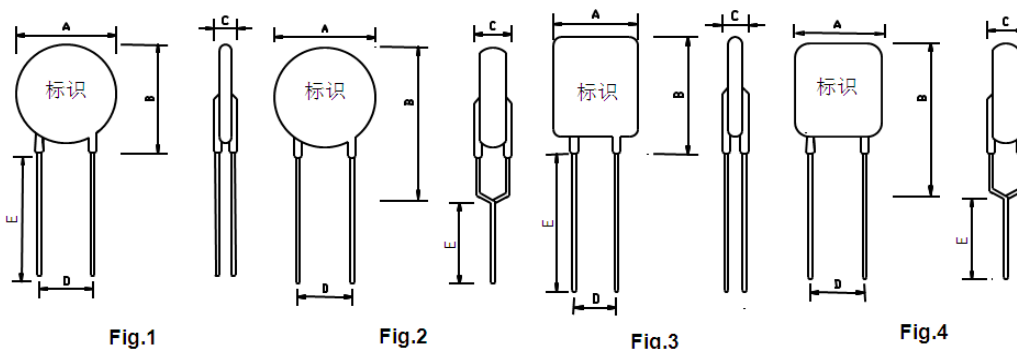
1 适用范围/ SCOPE

本规格书适用于公司生产符合 RoHS 指令要求的 PSP (250V) Series OLLY® 商标的自复保险丝。

This specification defines the technical requirements of resettable fuse PSP (250V) Series with HOLLY® brand, which is according to RoHS Compliant.

2 外形/VIEWS

2.1 外形尺寸 DIMENSIONS(mm)



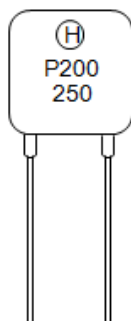
Model	A(Max.)	B(Max.)	C(Max.)	D(Typ)	E	外形
PSP002	7.4	12.7	4.5	5.1	10±2	2
PSP003	7.4	12.7	4.5	5.1	10±2	2
PSP004	7.4	12.7	4.5	5.1	10±2	2
PSP005	7.4	12.7	4.5	5.1	10±2	2
PSP006	7.4	12.7	4.5	5.1	10±2	2
PSP008	7.4	12.7	4.5	5.1	10±2	2
PSP009	7.4	12.7	4.5	5.1	10±2	2
PSP010	7.0	9.3	4.5	5.1	10±2	1
PSP011	7.0	12.6	4.5	5.1	10±2	4
PSP012	7.0	12.6	4.5	5.1	10±2	4
PSP015	7.0	12.6	4.5	5.1	10±2	4
PSP018	9.0	11.0	4.5	5.1	10±2	4
PSP020	12.0	17.0	4.5	5.1	10±2	3
PSP025	11.0	15.0	4.5	5.1	10±2	3
PSP030	12.0	17.0	4.5	5.1	10±2	3
PSP040	12.0	17.0	4.5	5.1	10±2	3
PSP050	16.0	18.0	4.5	5.1	10±2	3
PSP060	12.0	17.0	4.5	5.1	10±2	3
PSP080	20.0	22.0	4.5	5.1	10±2	3
PSP100	20.0	22.0	4.5	5.1	10±2	3
PSP120	22.0	28.0	4.5	5.1	10±2	3
PSP150	25.0	30.0	4.5	5.1	10±2	3
PSP200	26.0	32.0	4.5	10.2	10±2	3

2.2 物料清单 BILL OF MATERIAL

编号 NO.	零件 Components	材料清单 Material	备注 Remark
1	包封材料 Material of coating	环氧树脂 Epoxy	/
2	PTC 芯片 PTC Pill	高分子聚合物 Polymer	/
3	引脚材料 Material of lead	镀锡金属线 Tinned wire	PSP002-PSP060 $\phi 0.6\text{mm}$ PSP080-PSP200 $\phi 0.8\text{mm}$

2.3 标识 MARKING

例如 FOR EXAMPLE



2.3.1 商标 Trade mark: (H)

2.3.2 产品型号 Products type: P200 (PSP200)

2.3.3 额定电压 Rated voltage: 250(250V)

2.3.4 额定电流 Rated current: 200(2.00A)

3 电气特性和安规认证/ ELECTRICAL CHARACTERISTICS & AGENCY RECOGNITION

3.1 测试环境温度 Testing environmental temperature: $25\pm 2^{\circ}\text{C}$.

3.2 电气特性和安规认证 Electrical characteristics & Agency recognition

Model	Rated Voltage	Hold Current	Trip Current	Max. Time To Trip		Max. Current	Resistance Tolerance		Safety		
							Rmin	Rmax	Approvals		
	Vmax,V	IH,A	IT,A	A	S	I _{max} ,A	ohms	ohms	TUV	UR	CUR
PSP002	250	0.02	0.045	0.5	0.8	3	70.0	160.0	○	○	○
PSP003	250	0.03	0.065	0.5	1.0	3	50.0	120.0	○	○	○
PSP004	250	0.04	0.080	0.5	2.0	3	30.0	60.0	○	○	○
PSP005	250	0.05	0.100	0.5	1.5	3	25.0	50.0	○	○	○
PSP006	250	0.06	0.120	0.5	2.0	3	20.0	60.0	○	○	○
PSP008	250	0.08	0.160	1.0	0.5	3	12.0	22.0	○	○	○
PSP009	250	0.09	0.180	1.0	0.8	3	10.0	20.0	○	○	○

PSP010	250	0.10	0.200	1.0	1.0	3	10.0	20.0	○	○	○
PSP011	250	0.11	0.220	1.0	2.0	3	6.0	12.0	○	○	○
PSP012	250	0.12	0.240	1.0	2.0	3	6.0	12.0	○	○	○
PSP015	250	0.145	0.290	1.0	5.0	3	3.5	6.5	○	○	○
PSP018	250	0.18	0.650	3.0	1.5	3	2.0	4.0	○	○	○
PSP020	250	0.20	0.400	3.0	5.0	5	3.0	6.0	○	○	○
PSP025	250	0.25	0.500	3.0	6.0	5	1.5	5.0	○	○	○
PSP030	250	0.30	0.600	3.0	7.0	5	1.5	5.0	○	○	○
PSP040	250	0.40	0.800	3.0	8.0	5	1.0	3.0	○	○	○
PSP050	250	0.50	1.000	3.0	10.0	5	1.0	2.5	○	○	○
PSP060	250	0.60	1.200	3.0	12.0	5	0.6	2.0	○	○	○
PSP080	250	0.80	1.600	5.0	18.0	5	0.4	1.0	○	○	○
PSP100	250	1.00	2.000	5.0	20.0	7	0.3	0.8	○	○	○
PSP120	250	1.20	2.400	6.0	20.0	7	0.2	0.8	○	○	○
PSP150	250	1.50	3.000	7.5	20.0	7	0.2	0.6	○	○	○
PSP200	250	2.00	4.000	10.0	20.0	10	0.2	0.4	○	○	○

●Denotes For Approved ;○Denotes For Pending

3.2.1 Vmax: 额定电流条件下产品能承受的最大电压。

Vmax: Maximum voltage device can withstand without damage at its rated current.

3.2.2 IH: 25±2℃的环境下产品不动作的最大电流。

IH: Maximum current at which the device will not trip at 25±2℃.

3.2.3 IT: 25±2℃的环境下产品的最小动作电流。

IT: Minimum current at which the device will trip at 25±2℃.

3.2.4 Imax: 额定电压条件下产品能承受的最大故障电流。

Imax: Maximum fault current device can withstand without damage at its rated voltage.

3.2.5 Rmin: 25±2℃的环境下产品的最小零功率电阻。

Rmin: Minimum device resistance at 25±2℃.

3.2.6 Rmax: 25±2℃的环境下产品的最大零功率电阻。

Rmax: Maximum device resistance at 25±2℃.

3.3 安规认证 AGENCY RECOGNITION

TUV: Pending

UR: Pending

CUR: Pending

4 包装/PACKING

Model	Quantity of each bag (EA)
PSP002-PSP018	1000
PSP020-PSP060	500
PSP080-PSP200	200

5 使用环境条件/OPERATION CONDITIONS

5.1 环境温度/Ambient temperature: -40℃~85℃.

5.2 相对湿度/Humidity: ≤95%HR(40℃)

5.3 大气压/Atmospheric pressure: 86Kpa ~106Kpa.

5.4 振动频率/Vibration frequency: 10Hz ~ 50Hz.

5.5 加速度/Acceleration: 98m/s².

5.6 贮存温度/Storage temperature: -40℃~85℃.

5.7 焊接/Soldering

5.7.1 波峰焊/Wave Soldering:

焊接温度/Soldering Temperature: 260℃~270℃

焊接时间/Soldering Time: ≤3sec.

焊接位置/Soldering Position: 引线距自复保险丝底部≥5mm 处。

5.7.2 手工焊接/Manual soldering

焊接温度/Soldering Temperature: 280℃~300℃

焊接时间/Soldering Time: ≤2sec.

焊接位置/Soldering Position: 引线距自复保险丝底部≥5mm 处。

6 注意事项/WARNING

6.1 使用本产品之前请务必阅读本规格书。

Please read this specification before use the product.

6.2 使用本产品时请务必遵循本规格书中的各项要求，超出额定范围内的操作都有可能造成元件损坏。

Using of this product must be sure to follow the requirement of this specification, operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and flame.

6.3 PPTC 自复保险丝适用于突发性的过流保护，应用于反复的过流线路中是不合适的。

PPTC resettable fuses are intended for occasional over current protection. Application for repeated over current condition or prolonged trip are not anticipated.

6.4 请不要将 PPTC 自复保险丝和化学溶剂接触，长时间的接触可能破坏产品的特性。

Please avoid contact of PPTC resettable fuses with chemical solvent. Prolonged contact will damage the device performance.

6.5 PPTC 自复保险丝是依照指定的用途而综合设计的，请不要在指定的用途以外使用。

You are requested not to use our product deviating from the agreed specifications.