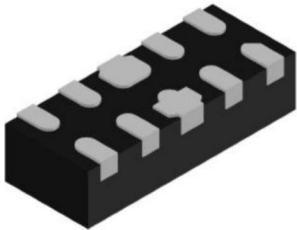
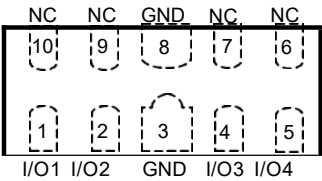


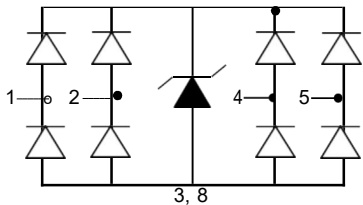
APPEARANCE



DFN2510-10L (Bottom view)



PIN CONFIGURATION



Pin configuration(Top view)

Descriptions

The APES5.0L4.0-25 is a Bi-directional transient voltage suppressor (TVS) to protect sensitive electronic components from electrostatic discharge (ESD). It is particularly well-suited for cellular phones, PMP , MID, PDA, digital cameras and other electronic quipment. The APES5.0L4.0-25 is safely dissipating ESD strikes to meet the ESD immunity testing of IEC61000-4-2 ($\pm 15KV$).

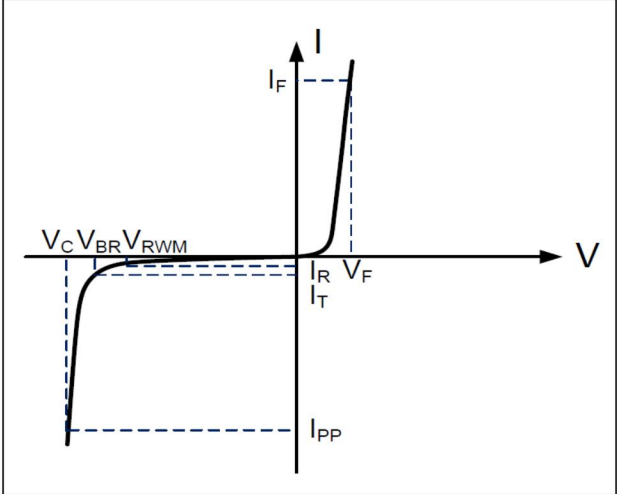
The APES5.0L4.0-25 is available in DFN2510 package. Standard products are Pb-free and Halogen-free.

Order information

Device	Package	Shipping
APES5.0L4.0-25	DFN2510	3000/Tape&Reel

Electrical Parameters (T=25°C)

Symbol	Parameter
V_{RWM}	Reverse Stand-off Voltage
I_R	Reverse Leakage Current @ V_{RWM}
V_{BR}	Reverse Breakdown Voltage @ I_T
I_T	Test Current
I_{PP}	Reverse Peak Pulse Current
V_C	Clamping Voltage @ I_{PP}
I_F	Forward Current
V_F	Forward Voltage @ I_F



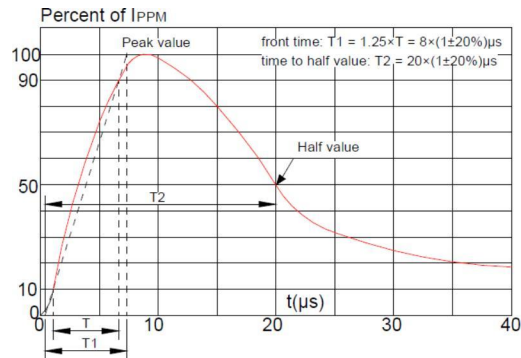
Absolute maximum ratings

Parameter	Symbol	Rating	Unit
Peak pulse power ($t_p = 8/20\mu s$)	Ppk	60	W
Peak pulse current ($t_p = 8/20\mu s$)	I _{PP}	4.0	A
ESD according to IEC61000-4-2 air discharge	V _{ESD}	±15	kV
ESD according to IEC61000-4-2 contact discharge		±15	kV
Junction temperature	T _J	150	°C
Operating temperature	T _{OP}	-55~125	°C
Storage temperature	T _{STG}	-55~150	°C

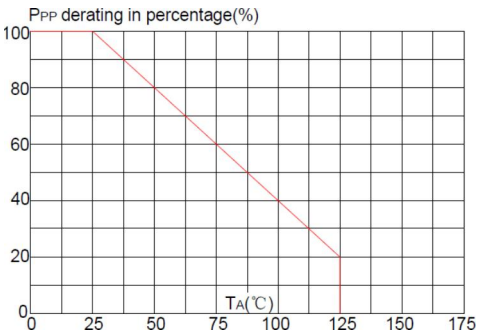
Electronics characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min	Typ	Max	Units
Reverse Stand-off Voltage	VRWM				5.0	V
Reverse Breakdown Voltage	VBR	I _t =1mA	5.8	7.4	8.8	V
Reverse Leakage Current	I _R	VRWM=±5.0V			0.1	uA
Clamping Voltage	VC	IO to GND I _{pp} =4.0A, t _p =8/20us			15	V
Junction Capacitance	C _j	IO to GND VR=0V, f=1MHz		0.6		pF
Junction Capacitance	C _j	IO to IO VR=0V, f=1MHz		0.3		pF

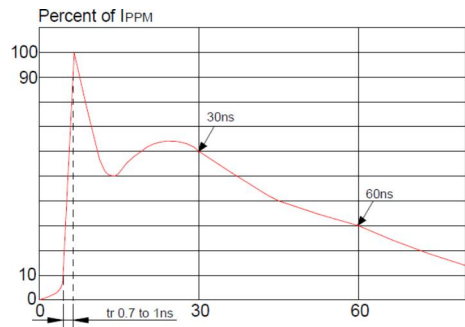
Typical characteristics (Ta=25°C)



Pulse Waveform (8/20us)

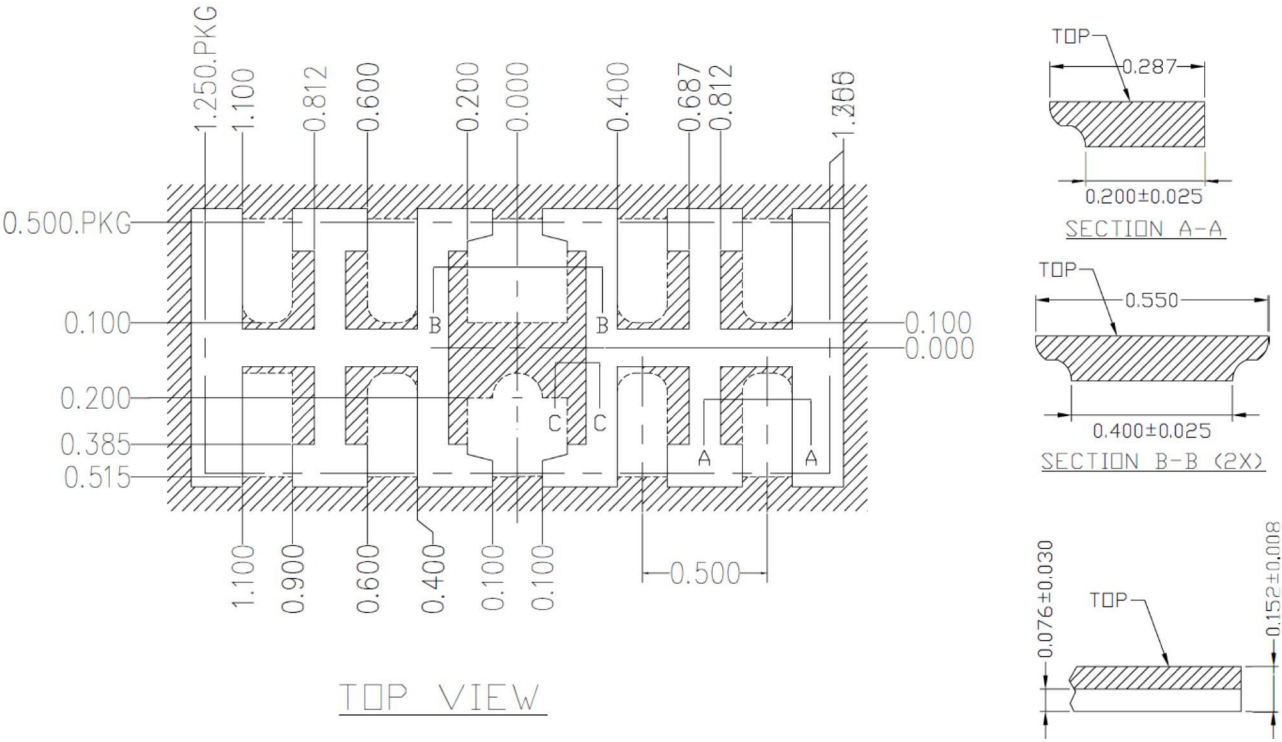


Pulse Derating Curve



ESD Clamping(8kV Contact Discharge)

PACKAGE OUTLINEDIMENSIONS(DFN2510)



Note:
This recommended land pattern is for reference purpose only.