



1-Line , Uni-directional , Transient Voltage Suppressor

Features

- Ultra small package
- Stand-off voltage: 4.5V ~5V
- Transient protection for each line according to
 - IEC61000-4-2(ESD): $\pm 30\text{kV}$ (contact)
 - IEC61000-4-4 (EFT): 40A (5/50ns)
 - IEC61000-4-5(surge): 7A (8/20 μs)
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ESD4V5P6A THRU ESD5V0P6A

■Absolute Maximum Ratings (Ta=25°C unless otherwise specified)

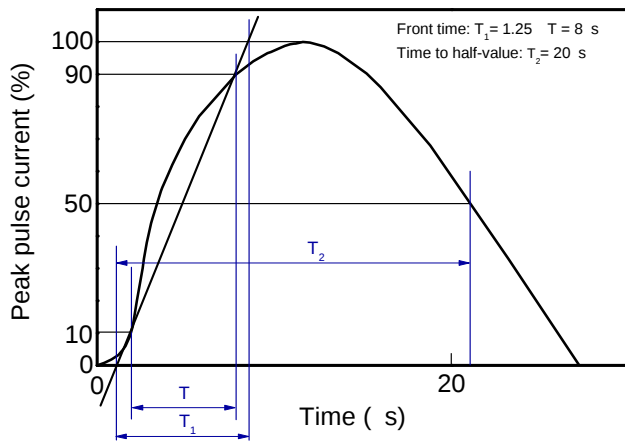
PARAMETER	SYMBOL		VALUE	UNIT
Peak pulse power ($t_p = 8/20\mu s$)	P_{pk}		2400	W
ESD IEC61000-4-2(ESD)Air	V_{ESD}		± 30	KV
ESD IEC61000-4-2(ESD)Contact			± 30	KV
Operating Temperature Range	T_J		-55~125	-



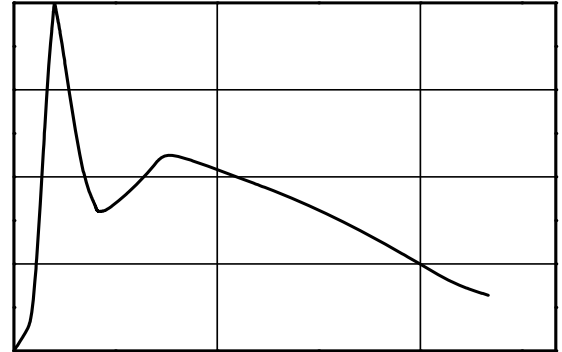
ESD4V5P6A THRU ESD5V0P6A

■ Typical Performance Characteristics ($T_a=25^\circ\text{C}$ unless otherwise Specified)

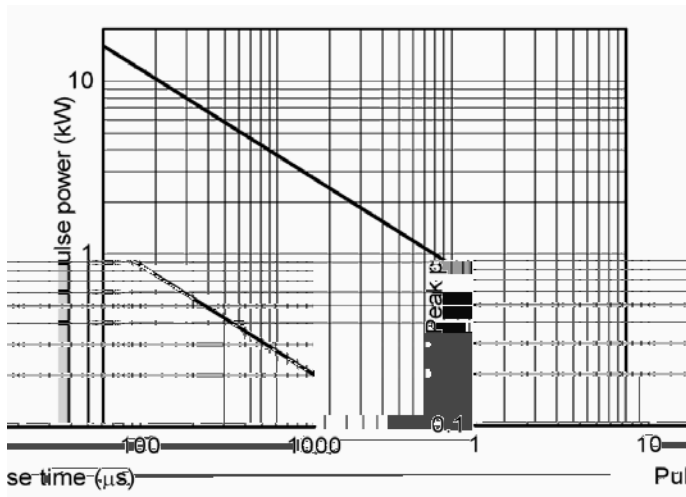
8/20 μs waveform per IEC61000-4-5



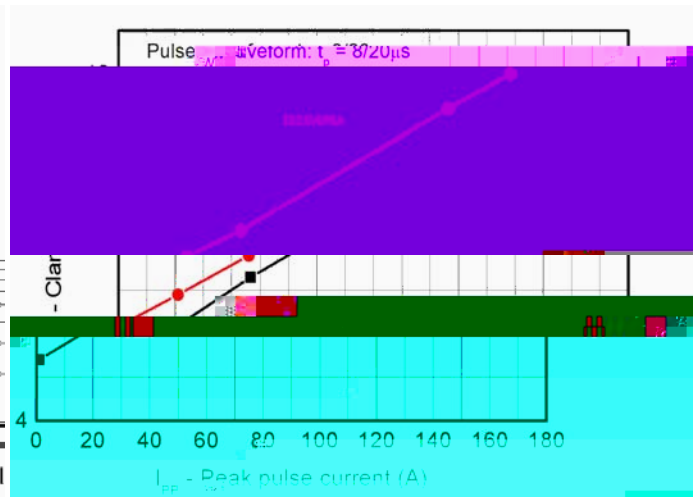
Contact discharge current waveform per IEC61000-4-2



Clamping voltage vs. Peak pulse current



Non-repetitive peak pulse power vs. Pulse time

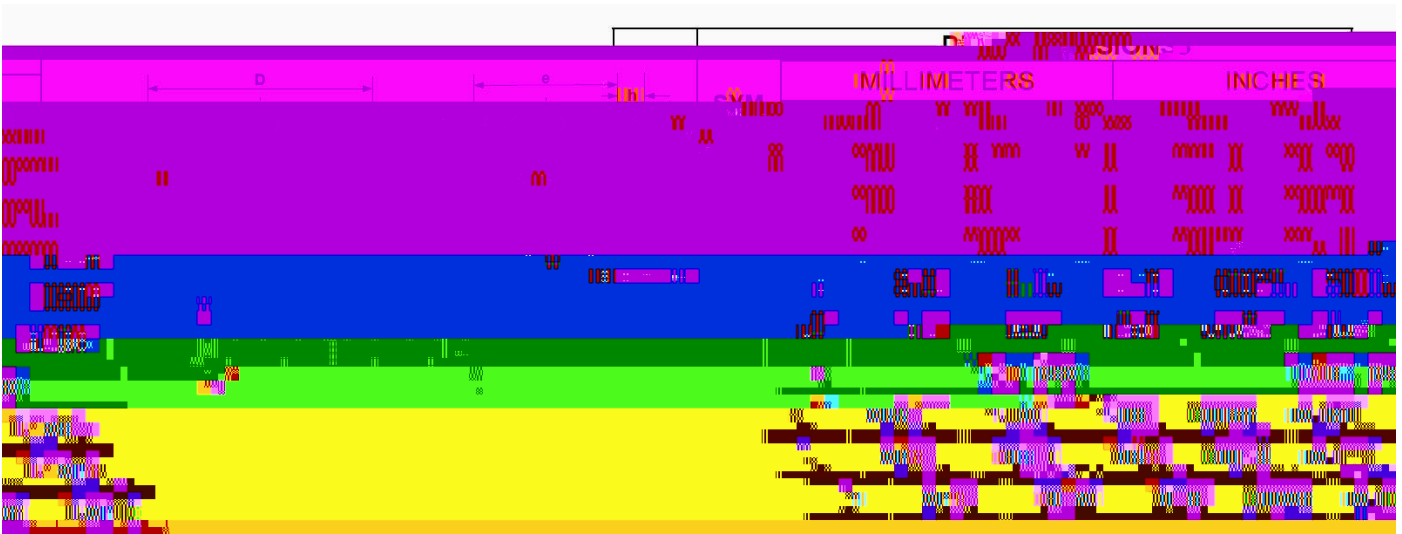


Power derating vs. Ambient temperature

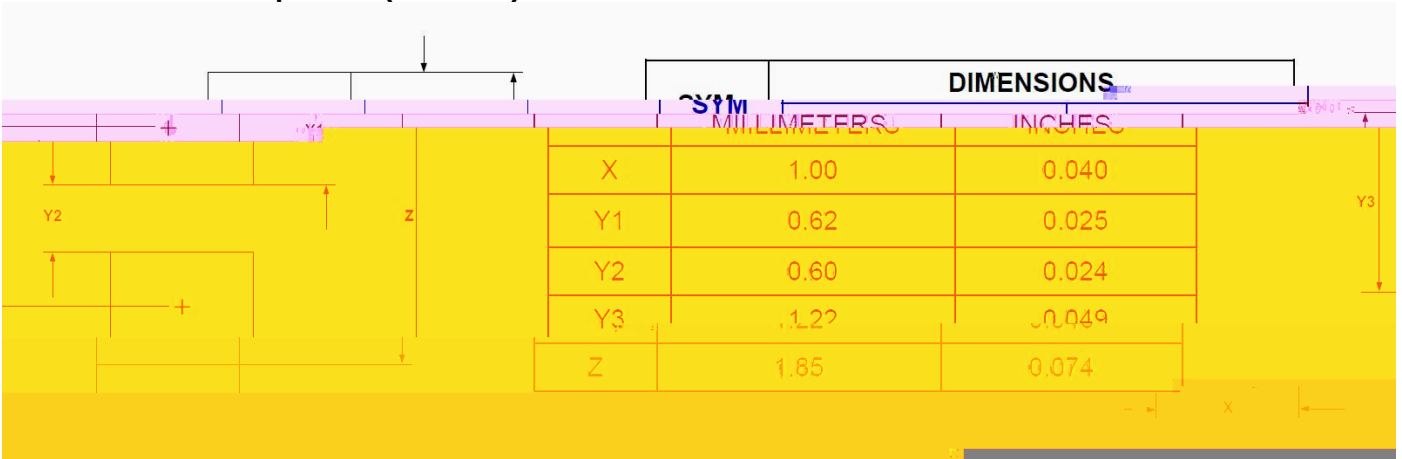


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■Outline Dimensions



■Recommend land pattern (Unit:mm)



Notes:

This recommended land pattern is for reference purposes only. Please consult your manufacturing group to ensure your PCB design guidelines are met.



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Disclaimer

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