



ESD4V5P6A THRU ESD5V0P6A

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

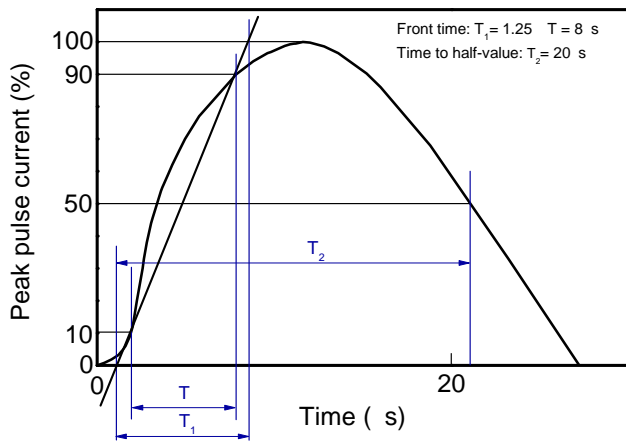
PARAMETER	SYMBOL		VALUE	UNIT
Peak pulse power ($t_p = 8/20\mu s$)	P_{pk}		2400	W
ESD IEC61000-4-2(ESD)Air	V_{ESD}		± 30	KV
ESD IEC61000-4-2(ESD)Contact			± 30	KV
Operating Temperature Range	T_J		-55~125	-



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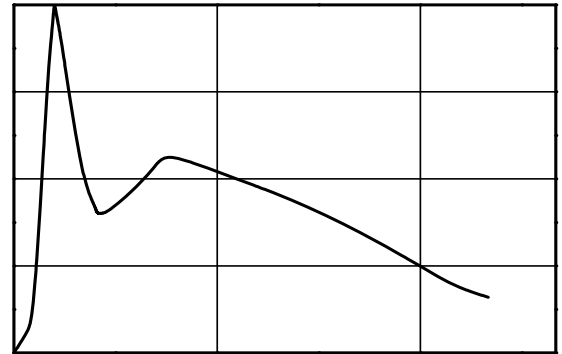
Typical Performance Characteristics ($T_a=25$ unless otherwise Specified)

8/20 μ s waveform per IEC61000 4 5

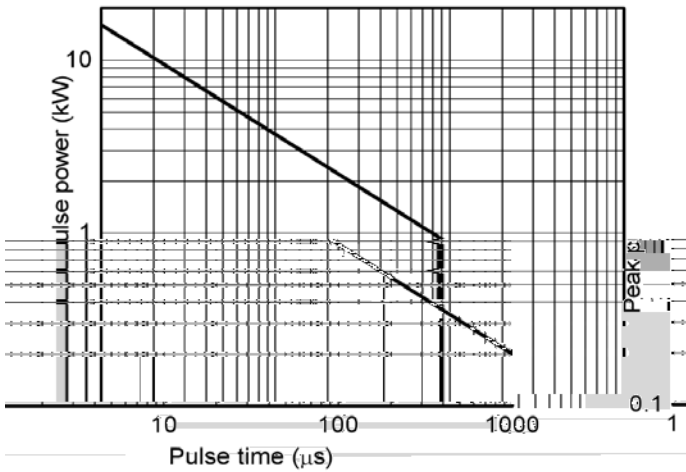


Clamping voltage vs. Peak pulse current

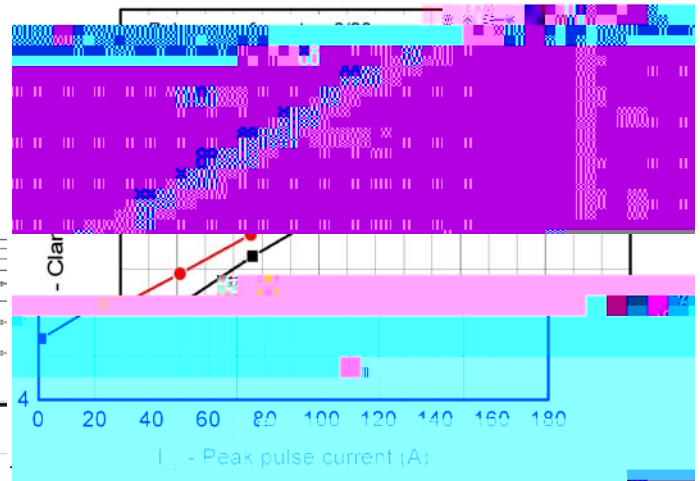
Contact discharge current waveform per IEC61000 4 2



Non repetitive peak pulse power vs. Pulse time



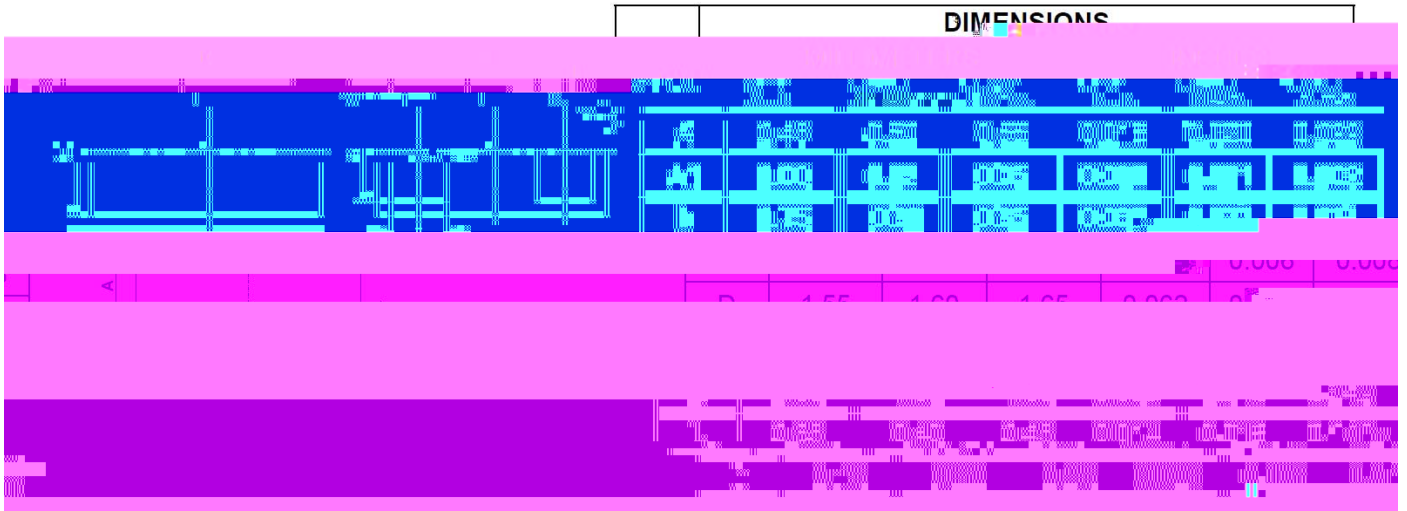
Power derating vs. Ambient temperature



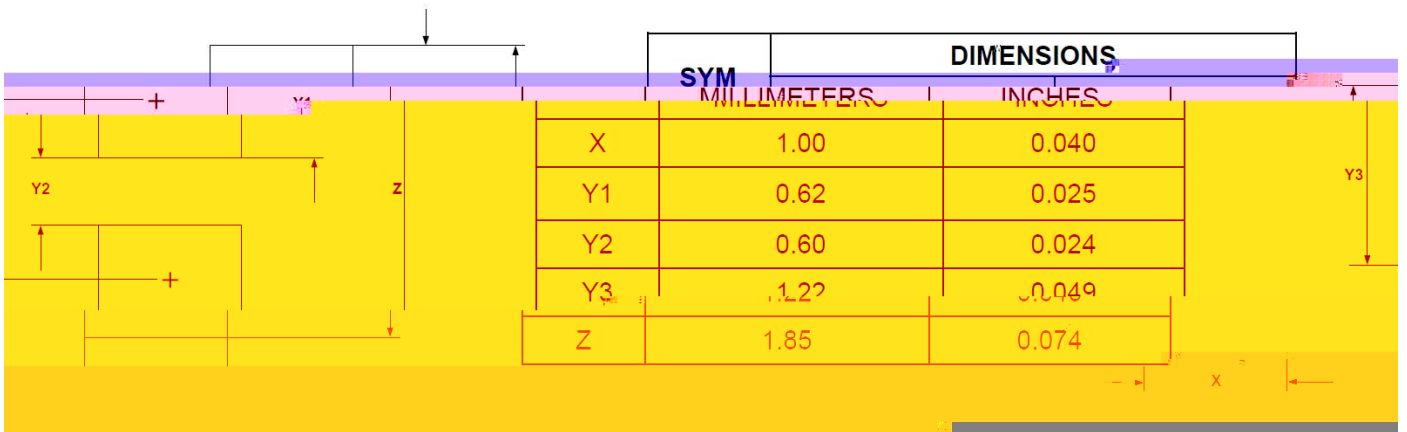


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Outline Dimensions



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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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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