



PJESDA6V8-5LCG

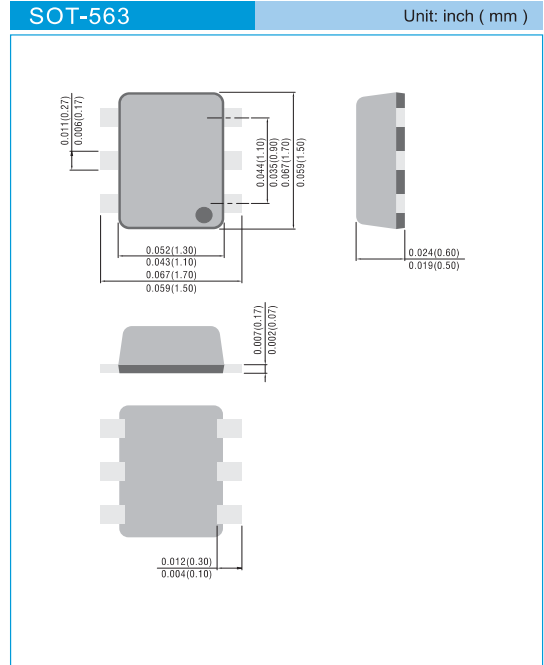
LOW CAPACITANCE SOT-563 5-LINE TRANSIENT VOLTAGE SUPPRESSOR ARRAY FOR ESD PROTECTION

FEATURES

- ESD Protection : IEC61000-4-2 8KV Contact 15KV Discharge
- Five Separate Unidirectional Configuration for Protection
- Low Leakage Current
- Peak Power Dissipation of 20W@8/20μs
- Low off-static Capacitance
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: SOT-563, Molded Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: See Diagram Below
- Approx. Weight: 0.003 gram
- Mounting Position: Any



MAXIMUM RATINGS (TA=25°C unless otherwise noted)

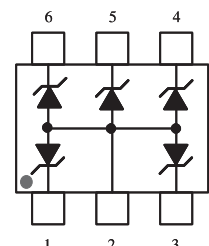
Parameter	Symbol	Value	Units
Peak Power Dissipation (8x20 μs@TA=25°C) (Note 1)	PPK	20	W
Operating Junction and Storage Temperature Range	TJ,TSTG	-55 to +150	°C
Lead Solder Temperature (10 seconds duration)	TL	260	°C

ELECTRAICAL CHARACTERISTICS(TA=25°C)

Part Number	Breakdown Voltage VBR @ 1mA (Volts)			Leakage Current I _{RM} @V _{RM}		Vc _{MAX} @I _{PP}		Typ Capacitance@0V Bias (pF)(Note 2)		Typ Capacitance@3V Bias (pF)		Marking Code
	Min.	Nom.	Max.	V _{RWM}	I _{RWM} (mA)	V _c (V)	I _{PP} (A)	Typ	Max	Typ	Max	
PJESDA6V8-5LCG	6.37	6.71	7.04	5	0.5	13	1.6	12	15	6.7	9.5	SY

NOTES :

- 1.Non-repetitive current per Figure 1.
- 2.Capacitance of one diode at f=1MHz, V_R=0V, T_A=25°C



PRELIMINARY



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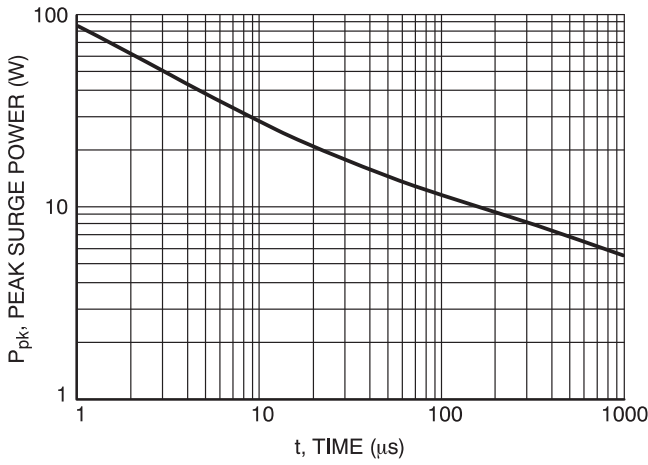


Figure 1. Pulse Width

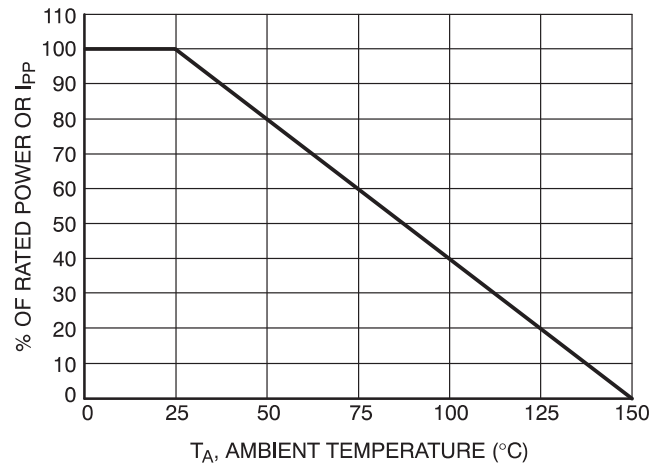


Figure 2. Power Derating Curve

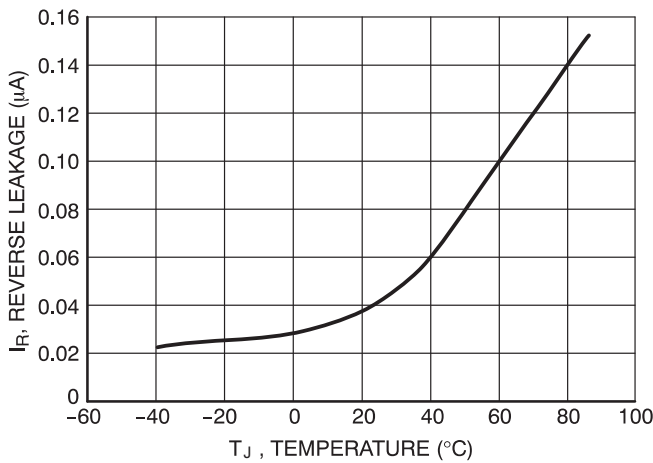


Figure 3. Reverse Leakage versus Junction Temperature

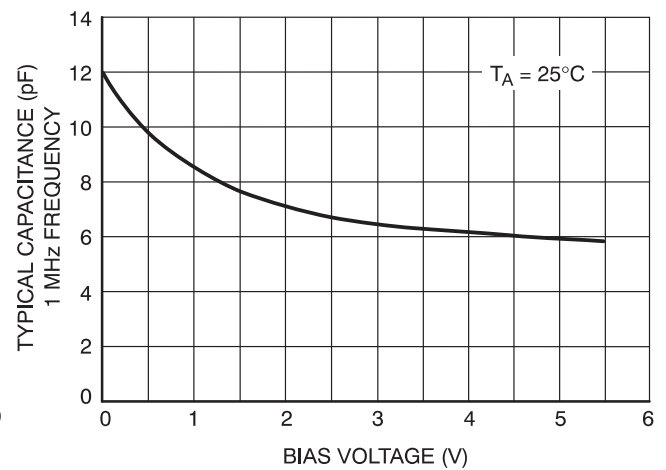


Figure 4. Capacitance

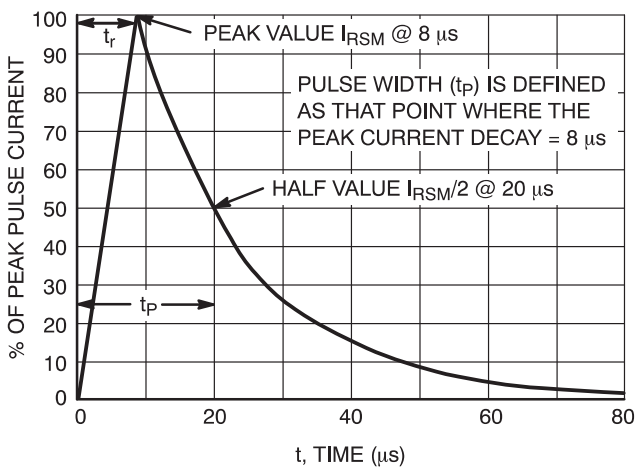


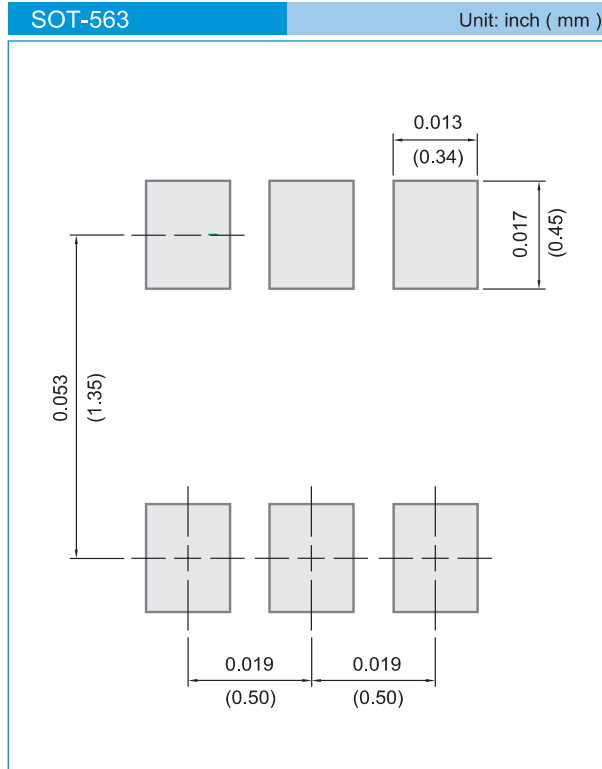
Figure 5. 8 × 20 μs Pulse Waveform

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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information

T/R - 4K per 7" plastic Reel

T/R - 10K per 13" plastic Reel

LEGAL STATEMENT

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