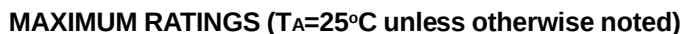


LOW CAPACITANCE SOT-563 5-LINE TRANSIENT VOLTAGE SUPPRESSOR ARRAY FOR ESD PROTECTION

- 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

- 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



Parameter	Symbol	Value	Units
Peak Power Dissipation (8x20 μ S@T _A =25°C) (Note 1)	P _{PK}	20	W
Operating Junction and Storage Temperature Range	T _J ,T _{STG}	-55 to +150	°C
Lead Solder Temperature (10 seconds duration)	T _L	260	°C

Part Number	Breakdown Voltage V _{BR} @1mA(Volts)			Leakage Current I _{RM} @V _{RM}		V _C 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

PJESDA6V8-5LCG

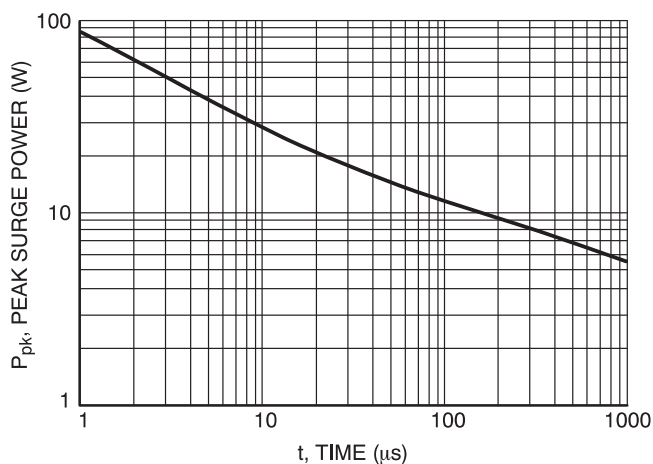


Figure 1. Pulse Width

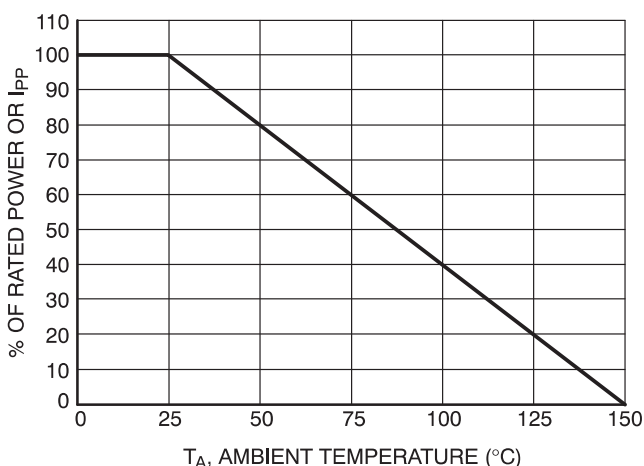


Figure 2. Power Derating Curve

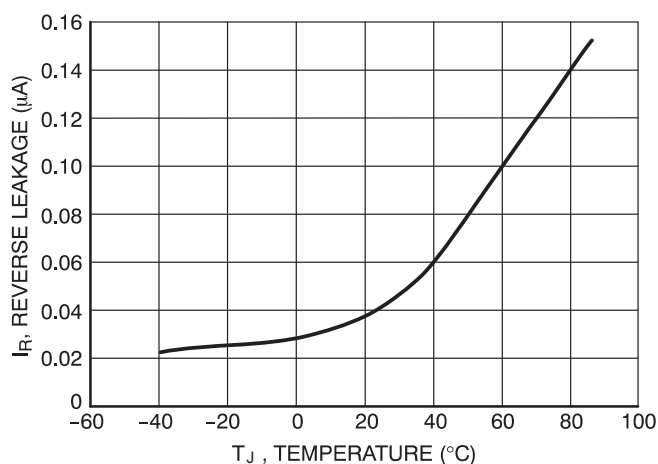


Figure 3. Reverse Leakage versus Junction Temperature

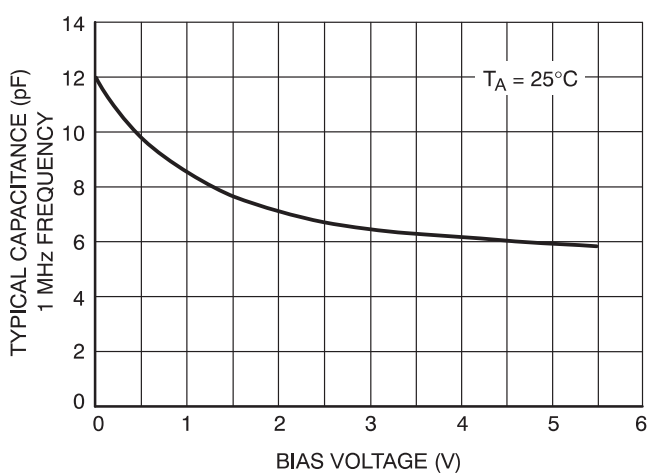


Figure 4. Capacitance

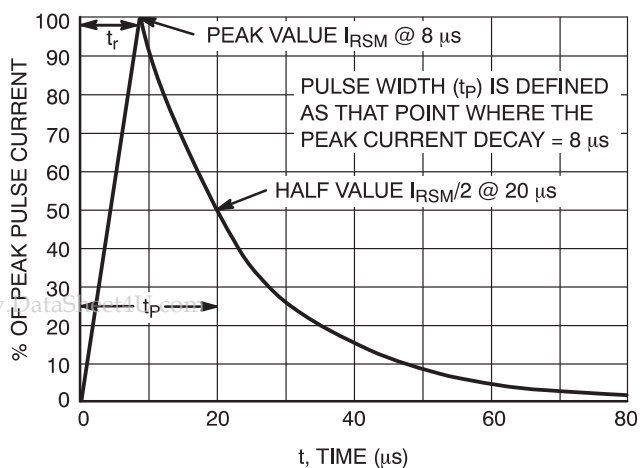
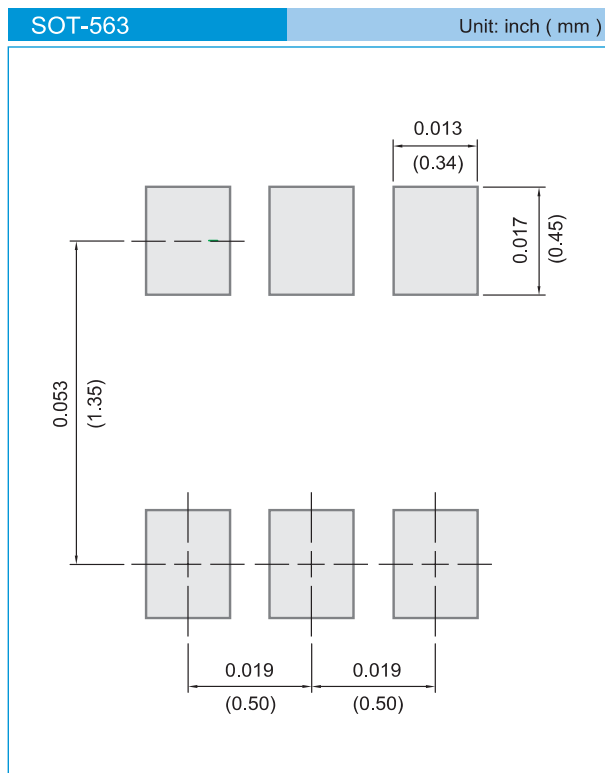


Figure 5. $8 \times 20 \mu s$ Pulse Waveform

PJESDA6V8-5LCG

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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