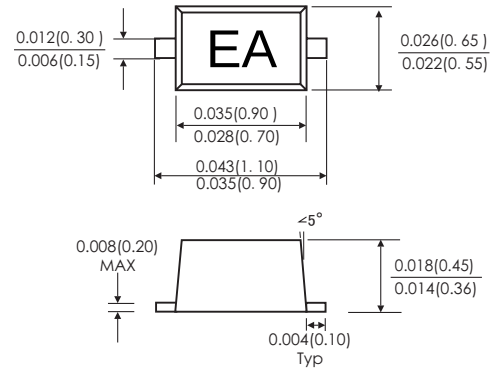


FEATURES

- Bi-Directional Transient Voltage Suppressor
- Low capacitance and Low Leakage
- ESD Protection, IEC61000-4-2 level4
- Low clamping voltage
- RoHS Compliant

MECHANICAL DATA

- Case: SOD-923 molded plastic body
- Lead Finish: Lead Free
- UL Flammability Classification Rating 94V-0



Dimensions in inches and (millimeters)



Absolute Maximum Ratings (T_A=25°C)

Parameter	Symbol	Value	Unit
Peak Pulse Power (tp=8/20μs)	PP	40	W
Maximum Reverse Peak Pulse Current (tp=8/20μs)	IPP	5.0	A
ESD VOLTAGE IEC61000-4-2 Air	VESD	15	KV
ESD VOLTAGE IEC61000-4-2 Contact		8	
Operating temperature range	TJ	-55 to +125	°C
Storage temperature range	TSTG	-55 to +150	°C

Electrical Characteristics (T_A=25°C)

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse Working Peak Voltage	VRWM	IR=1μA			5.0	V
Reverse Breakdown Voltage	VBR	IT=1mA	6.0			V
Reverse Current	IR	VRWM=5V			1.0	μA
Clamping Voltage	VC	IPP=5A, tp=8/20μs			9.0	V
Diode Capacitance	CD	VR=0V, f=1MHZ		13.5		pF

CHARACTERISTIC CURVES ESD9D5C

Fig1. 8/20μs Pulse Waveform

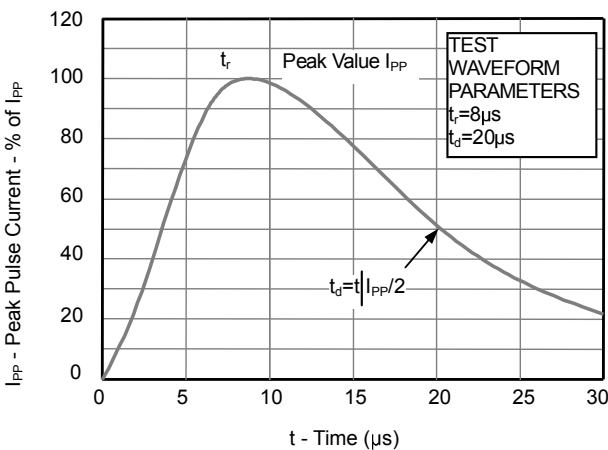


Fig2. ESD Pulse Waveform (according to IEC 61000-4-2)

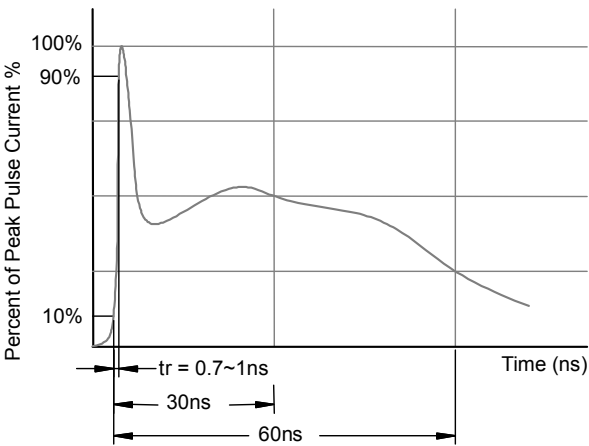


Fig3. Power Derating Curve

