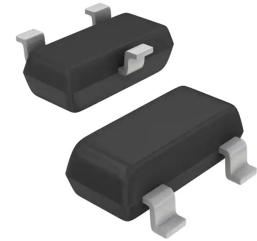


Features

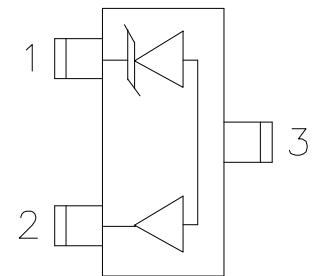
- For Sensitive ESD Protection
- Two Devices Protect One Line
- Low Capacitance for High-Speed Data Line
- Low Clamping Voltage
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating



SOT-23

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C



IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV
Peak Pulse Current(8/20μs)	I _{PP}	12A
Peak Pulse Power (8/20us)	P _{PK}	300W

Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse Working Voltage	V _{RWM}				12	V
Reverse Breakdown Voltage	V _{BR}	I _T = 1mA	13.3			V
Reverse Leakage Current	I _R	V _{RWM} = 12V			0.5	μA
Clamping Voltage	V _C	I _{PP} = 1A, t _p = 8/20μs			19	V
Clamping Voltage	V _C	I _{PP} = 5A, t _p = 8/20μs			24	V
Junction Capacitance	C _J	V _R = 0V, f = 1MHz, Pin 1 to Pin 2			5	pF

Curve Characteristics

Fig. 1 - 8 X 20 μ s Pulse Waveform

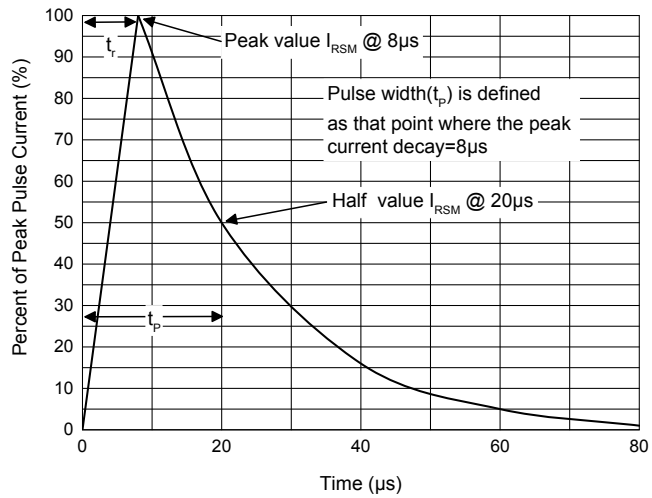
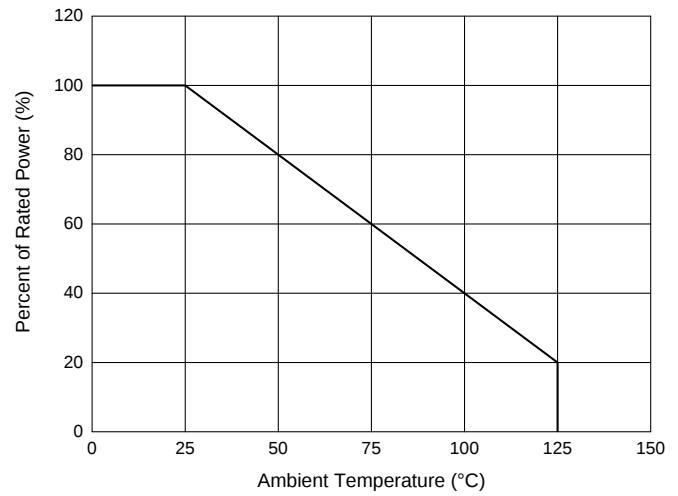
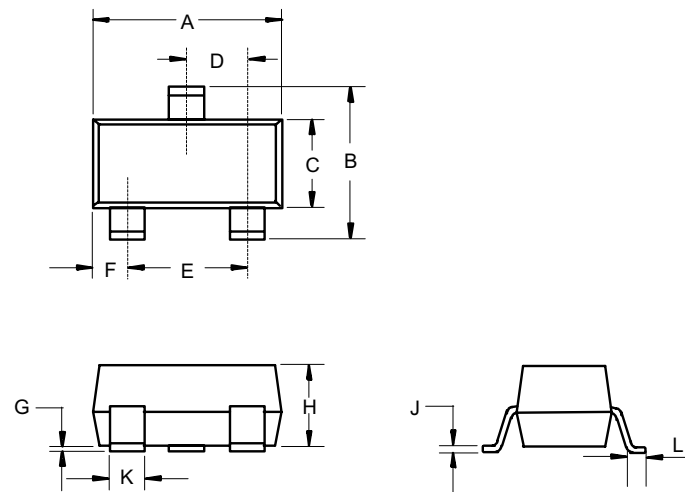


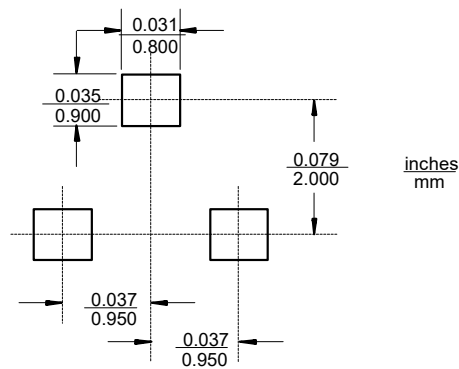
Fig. 2 - Pulse Derating Curve





DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.110	0.120	2.80	3.04	
B	0.083	0.104	2.10	2.64	
C	0.047	0.055	1.20	1.40	
D	0.034	0.041	0.85	1.05	
E	0.067	0.083	1.70	2.10	
F	0.018	0.024	0.45	0.60	
G	0.0004	0.006	0.01	0.15	
H	0.035	0.043	0.90	1.10	
J	0.003	0.007	0.08	0.18	
K	0.012	0.020	0.30	0.51	
L	0.007	0.020	0.20	0.50	

Suggested Solder Pad Layout



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