

Features

- · Solid-State Silicon Technology
- Low Capacitance
- · Low Leakage
- · Low Clamping Voltage
- · Moisture Sensitivity Level 1
- · Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

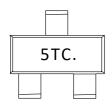
ESD Protection Device

Maximum Ratings

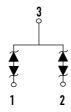
JE004000 4 0/E0D)	Air	±15KV	
IEC61000-4-2(ESD)	Contact	±8KV	
Peak Pulse Power (8/20µs)	PPK	28W	
Peak Pulse Current (8/20µs)(Note 2)	IPP	2A	
Operating Junction Temperature Range	TJ	ĔÍ »ÔÁĮ ÆFGÍ »Ô	
Storage Temperature Range	T _{STG}	ÉÍÍ »ÔÁ{ÆFÍ€»Ô	

Note:

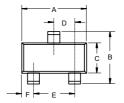
Marking Information



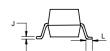
Internal Structure



SOT-23

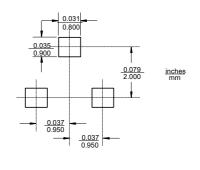






DIMENSIONS					
DIM	INC	HES	MM		NOTE
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	0.110	0.120	2.80	3.04	
В	0.083	0.104	2.10	2.64	
С	0.047	0.055	1.20	1.40	
D	0.034	0.041	0.85	1.05	
E	0.067	0.083	1.70	2.10	
F	0.018	0.024	0.45	0.60	
G	0.0004	0.006	0.01	0.15	
Н	0.035	0.043	0.90	1.10	
J	0.003	0.007	0.08	0.18	
K	0.012	0.020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

Suggested Solder Pad Layout



^{1.} Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

^{2.}Non-repetitive current pulse 8/20 µs exponential decay waveform according to IEC61000-4-5.



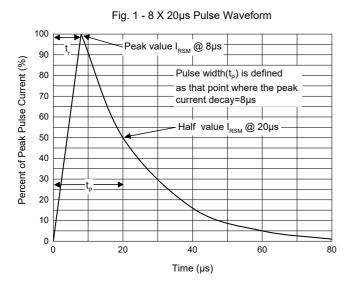
Electrical Characteristics @ 25°C (Unless Otherwise Specified)^{Note2}

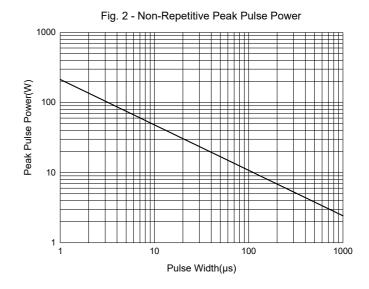
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	I _T = 1mA	5.6		9.5	V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.2	μA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs			11	V
Clamping Voltage	V _C	I _{PP} =2A, t _P =8/20μs			14	V
Junction Capacitance	CJ	$V_R = 0V$, $f = 1MHz$		3.2	5	pF

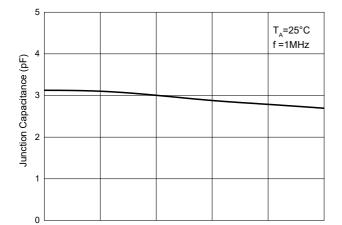
Note: Data measured from pin1 to pin3, pin3 to pin1, pin2 to pin3, pin3 to pin2



Curve Characteristics



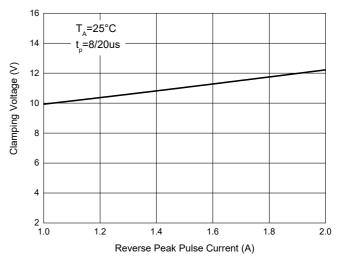


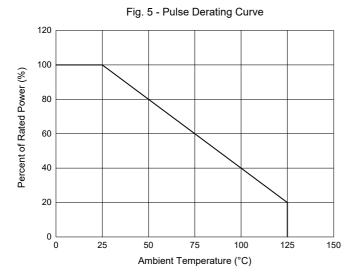


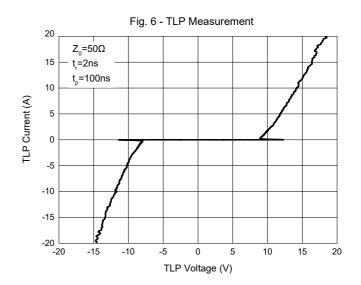
Reverse Voltage (V)

Fig. 3 - Capacitance Characteristics











Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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