

Features

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

Snap Back ESD Protection Device

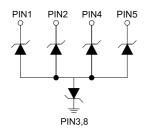
Maximum Ratings

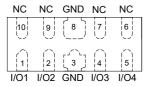
JEC64000 4 2 (ESD)	Air	±30KV		
IEC61000-4-2 (ESD)	Contact	±30KV		
Peak Pulse Current (8/20µs)	I _{PP}	5A		
Peak Pulse Power (8/20µs) ^(Note2)	P _{PK}	160W		
Operating Junction Temperature Range	Т	-55°C to +125°C		
Storage Temperature Range	T _{STG}	-55°C to +150°C		

Note:

- 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 $8/20~\mu s$ exponential decay waveform according to IEC61000-4-5.

Internal Structure



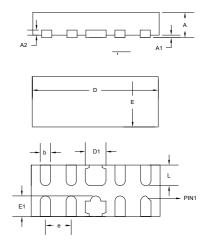


Transparent top view

Marking Code

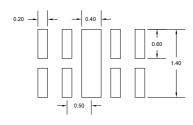


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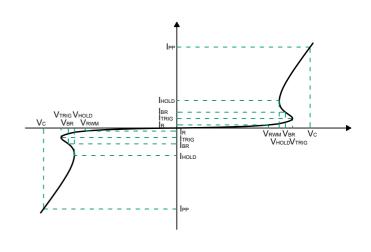
DIMENSIONS					
DIM	INCH		М	NOTE	
	MIN	MAX	MIN	MAX	NOTE
D	0.094	0.102	2.40	2.60	
E	0.035	0.043	0.90	1.10	
Α	0.020	0.025	0.50	0.65	
A1	0.000	0.020	0.00	0.05	
A2	0.006 Ref.		0.15 Ref.		TYP
D1	0.012	0.020	0.30	0.50	
E1	0.012	0.024	0.30	0.61	
b	0.005	0.010	0.13	0.25	
е	0.020 BSC		0.50	0.50 BSC	
L	0.011	0.020	0.28	0.50	

SUGGESTED SOLDER PAD LAYOUT (mm)





Symbol	Parameter	
V_{RWM}	Peak Reverse Working Voltage	
I _R	Reverse Leakage Current @ VRWM	
V_{BR}	Breakdown Voltage @ IT	
I _{PP}	Maximum Reverse Peak Pulse Current	
V _C	Clamping Voltage @ IPP	
V_{TRIG}	Reverse Trigger Voltage	
I _{TRIG}	Reverse Trigger Current	
V_{HOLD}	Reverse Holding Voltage	
I _{HOLD}	Reverse Holding Current	
C _J	Junction Capacitance	



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}				24	V
Reverse Breakdown Voltage	V_{BR}	I _T =1mA	26.5		36	V
Reverse Leakage Current	I _R	V _{RWM} =24V			0.2	μΑ
Clamping Voltage ^{Note1}	V _C	I _{PP} =1A, t _P =8/20μs			25	V
Clamping Voltage ^{Note1}	V _C	I _{PP} =5A, t _P =8/20μs			32	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		6	9	pF
Dynamic Resistance Note2	R _{DYN}	TLP, t _P =0.2/100ns		0.53		Ω

Note:

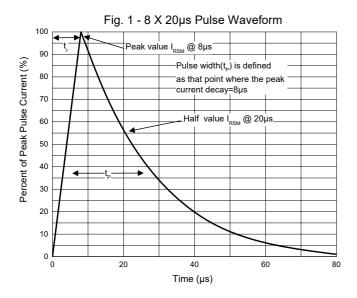
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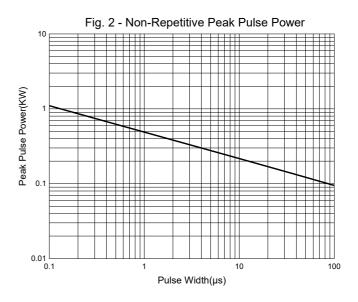
^{1.}Non-repetitive current pulse 8/20µs exponential decay waveform according to IEC61000-4-5.

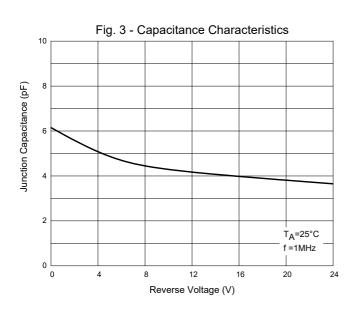
 $^{2.} TLP\ parameter:\ Z_0=50\Omega,\ tp=100 ns,\ tr=0.\ 2 ns,\ averaging\ window\ from\ 60 ns\ to\ 80 ns.\ R_{DYN}\ is\ calculated\ from\ 4A\ to\ 16A.$

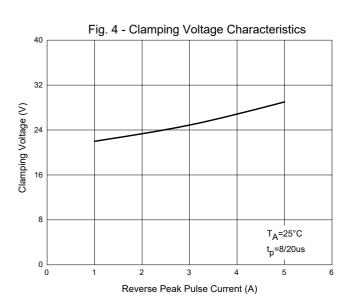


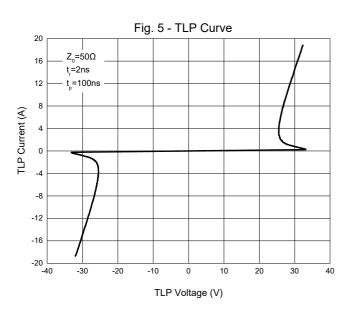
Curve Characteristics

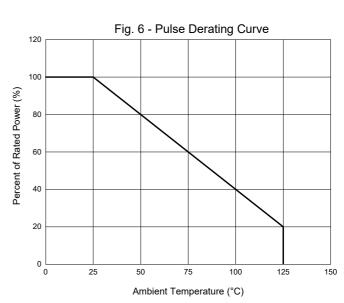














Ordering Information

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

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