

Features

- · Protects One Data or Power Line
- · Ultra 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)

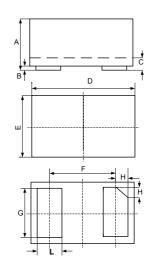
ESD Protection Device

Maximum Ratings

IEC61000-4-2(ESD)	Air	±30KV	
12001000 12(200)	Contact	±30KV	
Peak Pulse Power (8/20µs)	PPK	100W	
Peak Pulse Current (8/20µs)(Note 2)	lpp	5A	
Operating Junction Temperature Range	TJ	-55°C to +125°C	
Storage Temperature Range	TSTG	-55°C to +150°C	

Note

0201-A



DIMENSIONS					
DIM	INCHES		MM		NOTE
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	0.009	0.013	0.23	0.33	
В	0.000	0.002	0.00	0.05	
С	0.005	0.007	0.12	0.18	
D	0.022	0.026	0.55	0.65	
Е	0.010	0.014	0.25	0.35	
F	0.014		0.355		TYP.
G	0.008	0.011	0.22	0.28	
Н	0.003		0.079		TYP.
L	0.006	0.009	0.16	0.22	

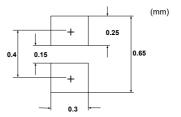
Marking Information

Internal Structure





SUGGESTED SOLDER PAD LAYOUT

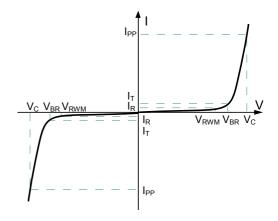


^{1.} Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

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



Symbol	Parameter
I _{PP}	Maximum Reverse Peak Pulse Current
Vc	Clamping Voltage @ IPP
V_{RWM}	Working Peak Reverse Voltage
I _R	Maximum Reverse Leakage Current @ V _{RWM}
V_{BR}	Breakdown Voltage @ I _T
I _T	Test Current
С	Capacitance @V _R =0 and f =1MHz



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

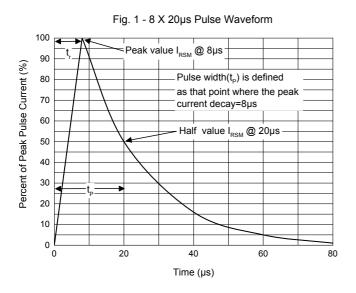
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}				12	V
Reverse Breakdown Voltage	V_{BR}	I _T =1mA	13.3			V
Reverse Leakage Current	I _R	V _{RWM} =12V			0.2	μA
Clamping Voltage ^{Note1}	V _C	I _{PP} =1A, t _P =8/20μs			16	V
Clamping Voltage ^{Note1}	V _C	I _{PP} =5A, t _P =8/20μs			20	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		8	10	pF

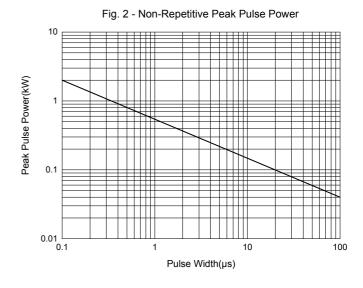
Note

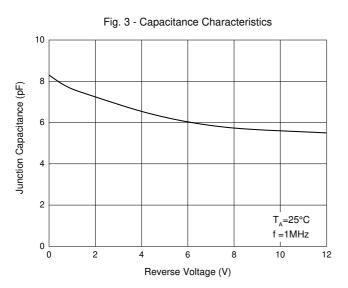
^{1.} Non-repetitive current pulse 8/20µs exponential decay waveform according to IEC61000-4-5.

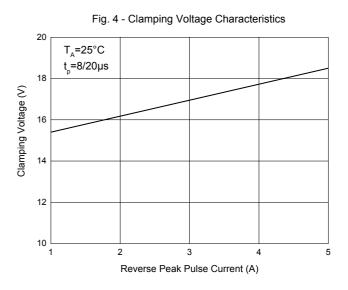


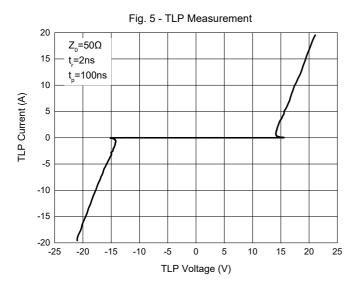
Curve Characteristics

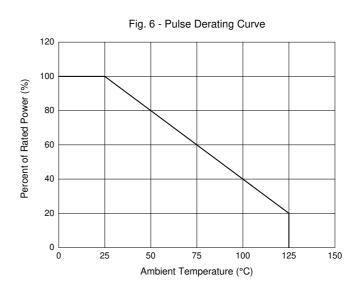














Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

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