

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

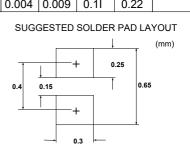
Maximum Ratings

IEC61000-4-2(ESD)	Air	±30KV	
12001000 12(205)	Contact	±30KV	
Peak Pulse Power (8/20µs)	PPK	100W	
Peak Pulse Current (8/20µs)(Note 2)	lpp	12A	
Operating Junction Temperature Range	TJ	ĔÍ »ÔÁĮ ÆFGÍ »Ô	
Storage Temperature Range	TSTG	ĔÍNÔÁĘÁÉFÍ€»Ô	

Note:

0201-A

DIMENSIONS					
DIM INCHES		MM		NOTE	
M	MIN	MAX	MIN	MAX	INOTE
Α	0.009	0.013	0.23	0.33	
В	0.000	0.002	0.00	0.05	
С	0.004	0.007	0.10	0.18	
D	0.022	0.027	0.55	0.67	
Е	0.010	0.015	0.25	0.37	
F	0.0)14	0.3	355	TYP.
G	0.008	0.011	0.20	0.28	
Н	0.003		0.079		TYP.
L	0.004	0.009	0.1Î	0.22	



Internal Structure

Marking Code



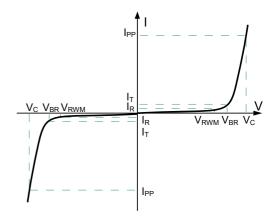
P2

^{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 @ I _{PP}		
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)

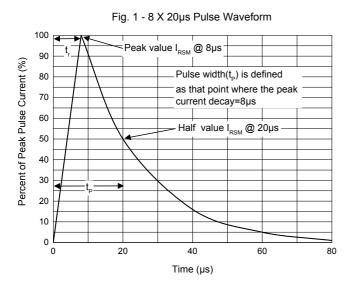
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}				1.8	V
Reverse Breakdown Voltage	V_{BR}	I _T =1mA	2.5			V
Reverse Leakage Current	I _R	V _{RWM} =1.8V			0.2	μΑ
Clamping Voltage ^{Note1}	V _C	I _{PP} =1A, t _P =8/20μs			3.5	V
Clamping Voltage ^{Note1}	V _C	I _{PP} =12A, t _P =8/20μs			8.5	V
Junction Capacitance	CJ	V _R =0V, f=1MHz			30	pF

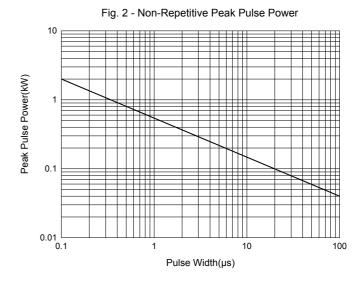
Note:

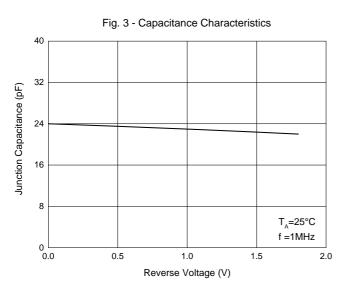
1. Non-repetitive current pulse 8/20µs exponential decay waveform according to IEC61000-4-5.

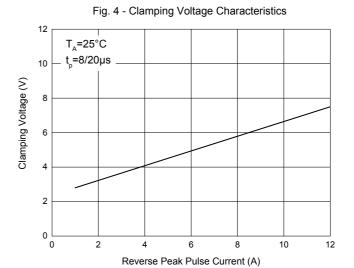


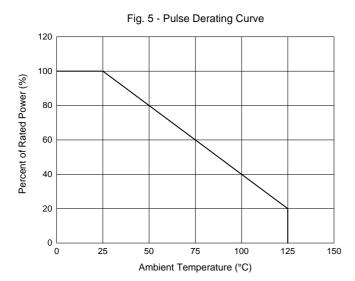
Curve Characteristics













Ordering Information

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

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