

Features

- ESD Protection of One Line
- Low Leakage Current
- Low Clamping Voltage
- 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)

Maximum Ratings

IEC61000-4-2 (ESD)	Air	±30KV		
IEC01000-4-2 (ESD)	Contact	±30KV		
Peak Pulse Current (8/20µs)	I _{PP}	13A		
Peak Pulse Power (8/20µs) ^(Note2)	P _{PK}	130W		
Operating Junction Temperature Range	TJ	-40°C to +85°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.

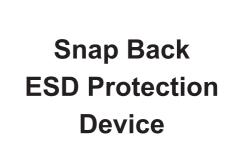
Non-repetitive current pulse 8/20 µs exponential decay waveform according to IEC61000-4-5.

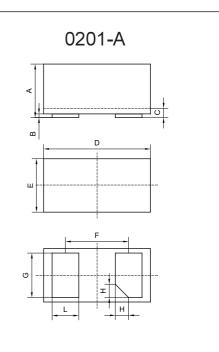
Internal Structure

Marking Code

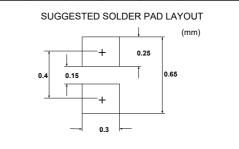
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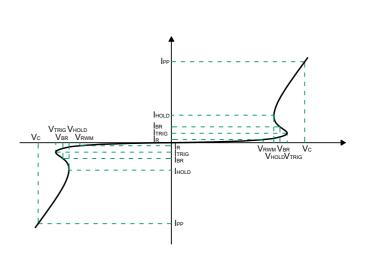


	DIMENSIONS				
DIM	INC	HES	MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
А	0.009	0.013	0.23	0.33	
В	0.000	0.002	0.00	0.05	
С	0.004	0.007	0.10	0.18	
D	0.022	0.027	0.55	0.67	
Е	0.010	0.015	0.25	0.37	
F	0.0)14	0.3	355	TYP.
G	0.008	0.011	0.20	0.28	
Н	0.0	03	0.0)79	TYP.
L	0.004	0.009	0.1Î	0.22	





Parameter	
Peak Reverse Working Voltage	
Reverse Leakage Current @ VRWM	
Breakdown Voltage @ IT	
Maximum Reverse Peak Pulse Current	
Clamping Voltage @ IPP	
Reverse Trigger Voltage	
Reverse Trigger Current	
Reverse Holding Voltage	
Reverse Holding Current	
Junction Capacitance	



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

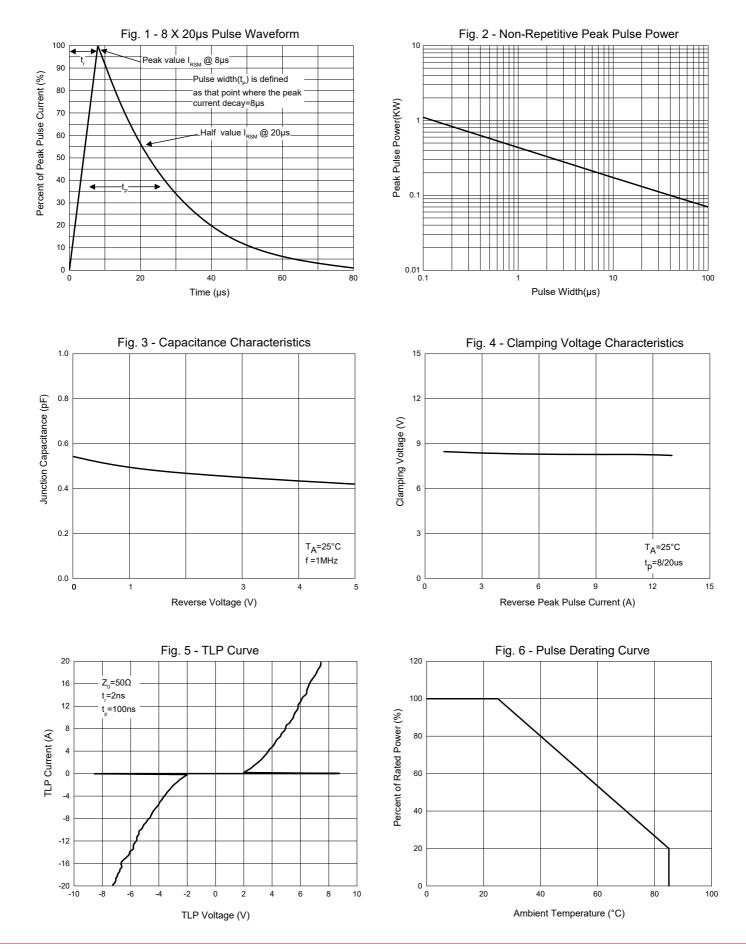
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				5	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	6			V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.2	μA
Clamping Voltage ^{Note1}	V _c	I _{PP} =1A, t _P =8/20µs			9.5	V
Clamping Voltage ^{Note1}	Vc	I _{PP} =13A, t _P =8/20μs			10	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.5		pF
Dynamic Resistance Note2	R _{DYN}	TLP, t _P =100ns		0.24		Ω

Note :

1.Non-repetitive current pulse 8/20μs exponential decay waveform according to IEC61000-4-5. 2.TLP parameter: Z0=50Ω, tp=100ns, tr=2ns, averaging window from 60ns to 80ns. RDYN is calculated from 4A to 16A.



Curve Characteristics





Ordering Information

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

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