

Features

- Low Capacitance
- Low Clamping Voltage
- Low Leakage Current
- 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)

Snap Back ESD Protection Device

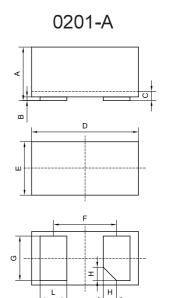
Maximum Ratings

IEC61000-4-2(ESD)	Air	±30KV		
	Contact	±30KV		
Peak Pulse Power (8/20µs)	Ррк	140W		
Peak Pulse Current (8/20µs) ^(Note 2)	IPP	6A		
Operating Junction Temperature Range	ТJ	-40°C to +125°C		
Storage Temperature Range	TSTG	-55°C to +125°C		

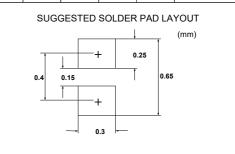
Note:

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 µs exponential decay waveform according to IEC61000-4-5.



DIMENSIONS						
DIM	INCHES		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		
E	0.010	0.015	0.25	0.37		
F	0.014		0.355		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



Df





Pin2



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				15	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	15.5		20	V
Reverse Leakage Current	I _R	V _{RWM} =24V			0.1	μA
Clamping Voltage ^{Note1}	V _c	I _{PP} =1A, t _P =8/20μs		16	18	V
Clamping Voltage ^{Note1}	V _c	I _{PP} =6A, t _P =8/20μs		21	23	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		6	7	pF
Dynamic Resistance Note2	R _{DYN}	TLP, t _P =100ns		1		Ω

Note:

1. Non-repetitive current pulse 8/20 μ s exponential decay waveform according to IEC61000-4-5. 2. TLP parameter: Z₀=50 Ω , t_p=100ns, t_r=2ns, averaging window from 60ns to 80ns. R_{DYN} is calculated from 4A to 16A.



1000

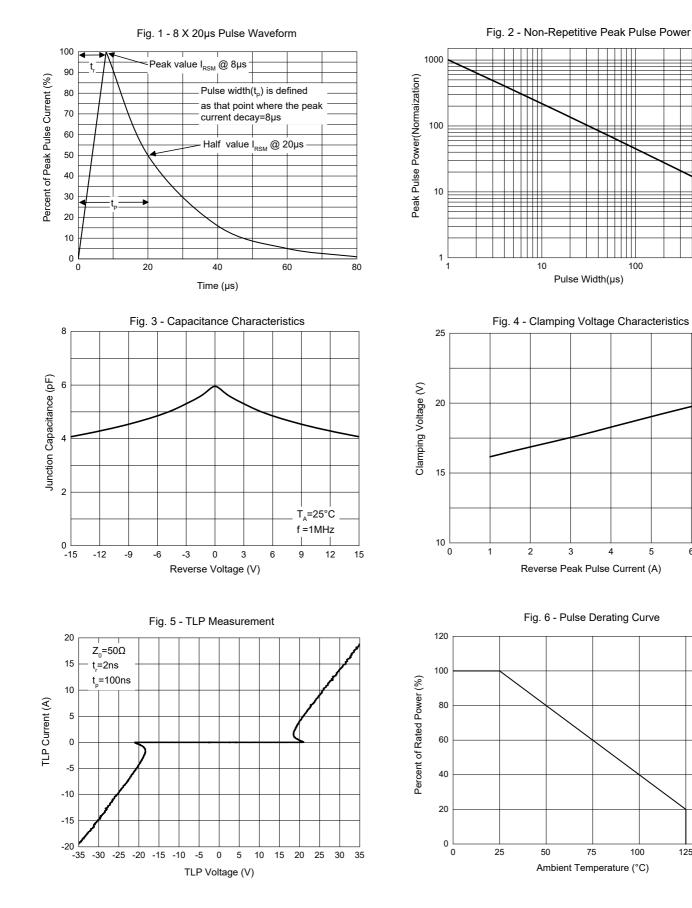
6

125

7



Curve Characteristics



150



Ordering Information

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

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