

Features

- Ultra Low Capacitance
- Low Clamping Voltage
- Ultra Low Leakage
- 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

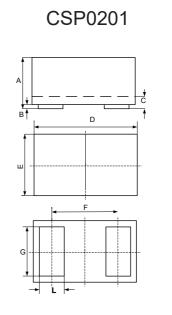
Maximum Ratings

IEC61000-4-2(ESD)	Air	±15KV		
	Contact	±15KV		
Peak Pulse Power (8/20µs)	Ррк	40W		
Peak Pulse Current (8/20µs) ^(Note 2)	lpp	5A		
Operating Junction Temperature Range	Тј	-40°C to +125°C		
Storage Temperature Range	TSTG	-55°C to +150°C		

Note:

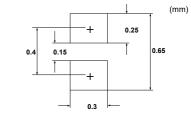
1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

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



DIMENSIONS						
DIM	INCHES		MM		NOTE	
DIN	MIN	MAX	MIN	MAX	NOTE	
А	0.008	0.013	0.21	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	0.0)14	0.3	855	TYP.	
G	0.008	0.011	0.215	0.28		
L	0.006	0.009	0.16	0.22		





Internal Structure









Electrical Characteristics @ 25°C (Unless Otherwise Specified)

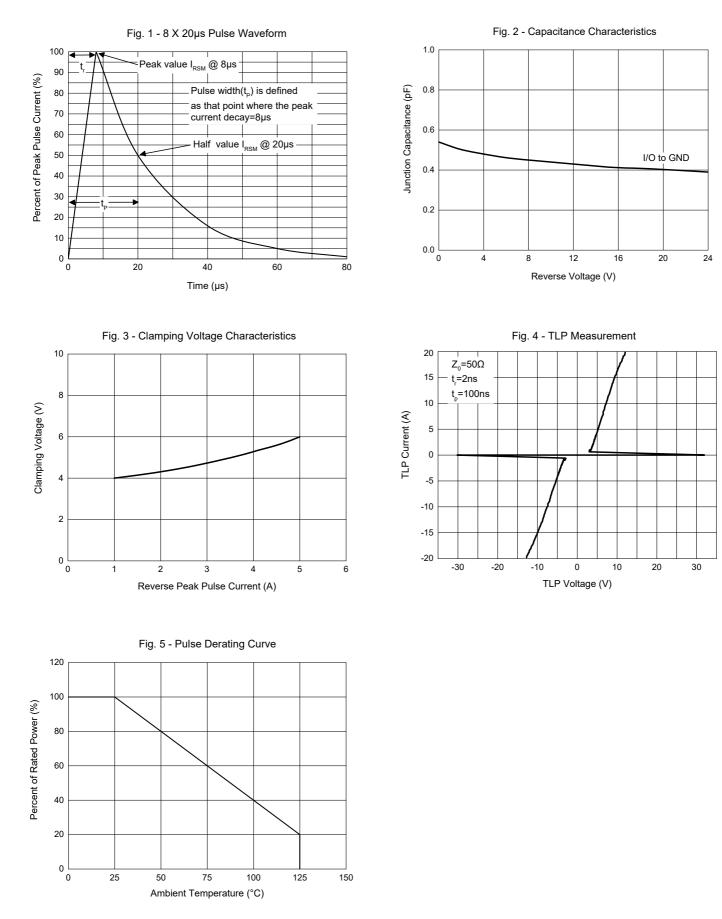
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				24	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	26			V
Reverse Leakage Current	I _R	V _{RWM} =24V			0.2	μA
Holding Voltage	V _h	I _F =100mA	2.0	2.9		V
Clamping Voltage ^{Note1}	Vc	I _{PP} =1A, t _P =8/20μs		4.0		V
Clamping Voltage ^{Note1}	V _c	I _{PP} =5A, t _P =8/20μs		6.0	8.0	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.5	0.7	pF
Dynamic Resistance Note2	R _{DYN}	TLP, t _P =100ns		0.5		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.



Curve Characteristics





Ordering Information

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

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