

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)



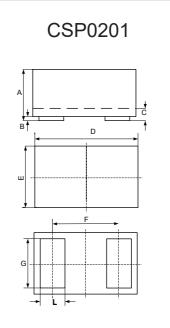
Maximum Ratings

IEC61000-4-2(ESD)	Air	±20KV	
	Contact	±15KV	
Peak Pulse Power (8/20µs)	Ррк	70W	
Peak Pulse Current (8/20µs) ^(Note 2)	IPP	3.5A	
Operating Junction Temperature Range	Тյ	-55°C to +125°C	
Storage Temperature Range	TSTG	-55°C to +150°C	

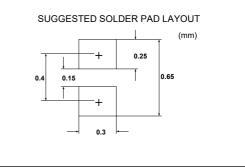
Note:

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
	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	014	0.3	355	TYP.
G	0.008	0.011	0.215	0.28	
L	0.006	0.009	0.16	0.22	



Internal Structure

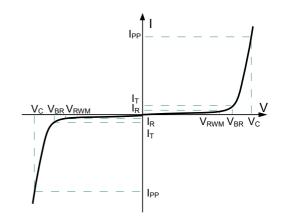




Marking Code



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⊤		
Ι _Τ	Test Current		
С	Capacitance @V _R =0 and f =1MHz		



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

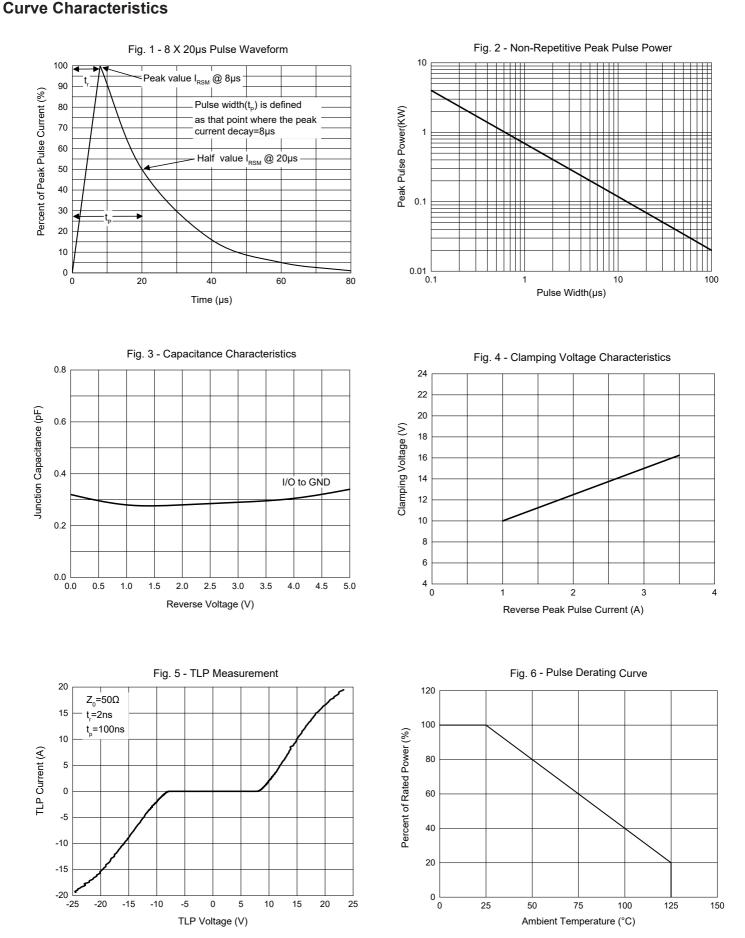
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				5	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	6	8	9	V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.5	μA
Clamping Voltage ^{Note1}	V _c	I _{PP} =1A, t _P =8/20μs		10	12	V
Clamping Voltage ^{Note1}	V _c	I _{PP} =3.5A, t _P =8/20μs		17	21	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.3	0.45	pF
Dynamic Resistance Note2	R _{DYN}	TLP, t _P =100ns		0.8		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.









Ordering Information

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

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