

Features

- · ESD Protection of One Line
- · Low Clamping Voltage
- Ultra Low Capacitance
- · 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)

(Note 1) ability Rating ant ("P" Suffix Designates RoHS ESD Protection Device

Maximum Ratings

IEC61000-4-2 (ESD)	Air	±20KV		
IEC01000-4-2 (E3D)	Contact	±15KV		
Peak Pulse Current (8/20µs)	I _{PP}	5A		
Peak Pulse Power (8/20µs) ^(Note2)	P _{PK}	35W		
Operating Junction Temperature Range	Тл	-40°C to +125°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.
- 2. Non-repetitive current pulse 8/20 μs exponential decay waveform according to IEC61000-4-5.

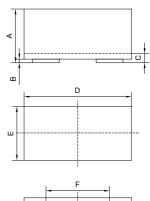
Internal Structure Marking Code

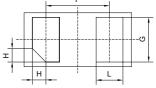




CSP0201

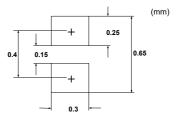
Snap Back





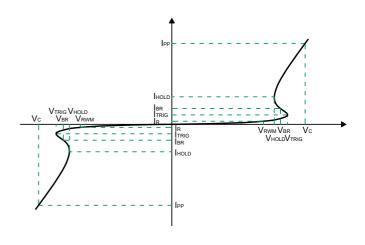
DIMENSIONS					
DIM	INC	INCHES		M	NOTE
וועו	MIN	MAX	MIN	MAX	NOTE
Α	0.008	0.013	0.21	0.33	
В	0.000	0.002	0.00	0.05	
С	0.005	0.007	0.12	0.18	
D	0.022	0.026	0.55	0.65	
Е	0.010	0.014	0.25	0.35	
F	0.0)14	0.3	355	TYP.
G	0.008	0.011	0.215	0.28	
Н	0.0	003	0.0	970	TYP.
Ĺ	0.006	0.009	0.1Î	0.22	

SUGGESTED SOLDER PAD LAYOUT





Symbol	Parameter	
V _{RWM}	Peak Reverse Working Voltage	
I _R	Reverse Leakage Current @ VRWM	
V_{BR}	Breakdown Voltage @ IT	
I _{PP}	Maximum Reverse Peak Pulse Current	
V _C	Clamping Voltage @ IPP	
V_{TRIG}	Reverse Trigger Voltage	
I _{TRIG}	Reverse Trigger Current	
V_{HOLD}	Reverse Holding Voltage	
I _{HOLD}	Reverse Holding Current	
C _J	Junction Capacitance	



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

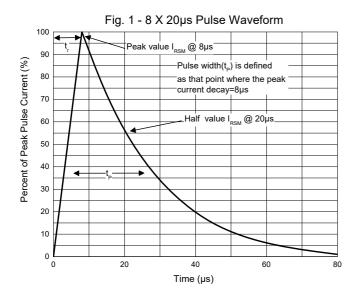
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	I _T =1mA	8	12	14	V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.2	μA
Clamping Voltage ^{Note1}	V _C	I _{PP} =1A, t _P =8/20μs		5		V
Clamping Voltage ^{Note1}	V _C	I _{PP} =5A, t _P =8/20μs		6	8	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.5	1	pF
Dynamic Resistance Note2	R _{DYN}	TLP, t _P =100ns		0.3		Ω

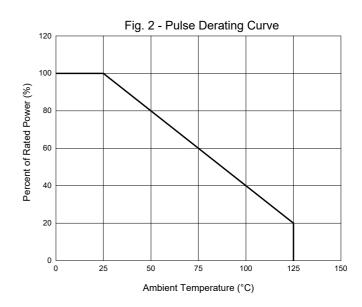
Note:

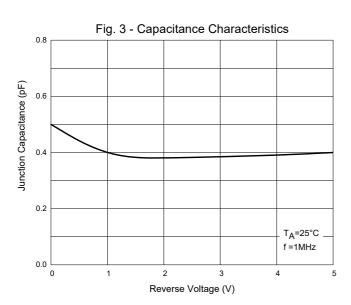
^{1.}Non-repetitive current pulse 8/20μs exponential decay waveform according to IEC61000-4-5.
2.TLP parameter: Z0=50Ω, tp=100ns, tr=2ns, averaging window from 60ns to 80ns. RDYN is calculated from 4A to 16A.

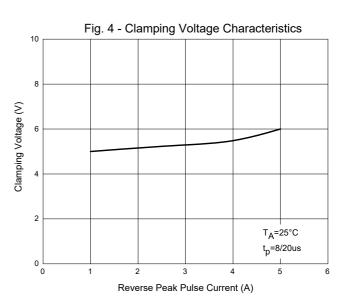


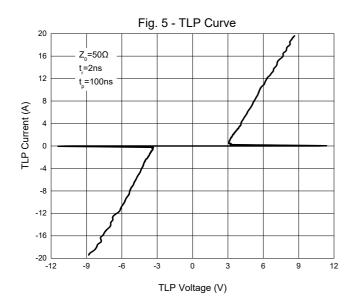
Curve Characteristics













Ordering Information

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

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Rev.4-1-11272023 4/4 MCCSEMI.COM