

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)

Maximum Ratings

IEC61000-4-2 (ESD)	Air	±15KV		
IEC01000-4-2 (ESD)	Contact	±12KV		
Peak Pulse Current (8/20µs)	I _{PP}	4A		
Peak Pulse Power (8/20µs) ^(Note2)	P _{PK}	13W		
Operating Junction Temperature Range	TJ	-55°C to +125°C		
Storage Temperature Range	T _{STG}	-55°C to +150°C		

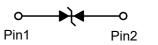
Note :

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

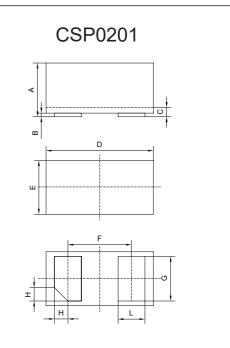
2. Non-repetitive current pulse 8/20 μs exponential decay waveform according to IEC61000-4-5.

Internal Structure

Marking Code

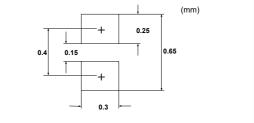






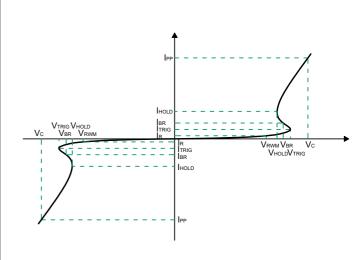
	DIMENSIONS				
DIM -	INC	INCHES		IM	NOTE
	MIN	MAX	MIN	MAX	NOTE
А	0.008	0.013	0.21	0.33	
В	0.000	0.002	0.00	0.05	
С	0.005	0.007	0.12	0.18	
D	0.022	0.026	0.55	0.65	
Е	0.010	0.014	0.25	0.35	
F	0.0)14	0.3	355	TYP.
G	0.008	0.011	0.215	0.28	
Н	0.0	03	0.0	079	TYP.
L	0.006	0.009	0.1Î	0.22	







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	
Vc	Clamping Voltage @ IPP	
V _{TRIG}	Reverse Trigger Voltage	
I _{TRIG}	Reverse Trigger Current	
V _{HOLD}	Reverse Holding Voltage	
I _{HOLD}	Reverse Holding Current	
CJ	Junction Capacitance	



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

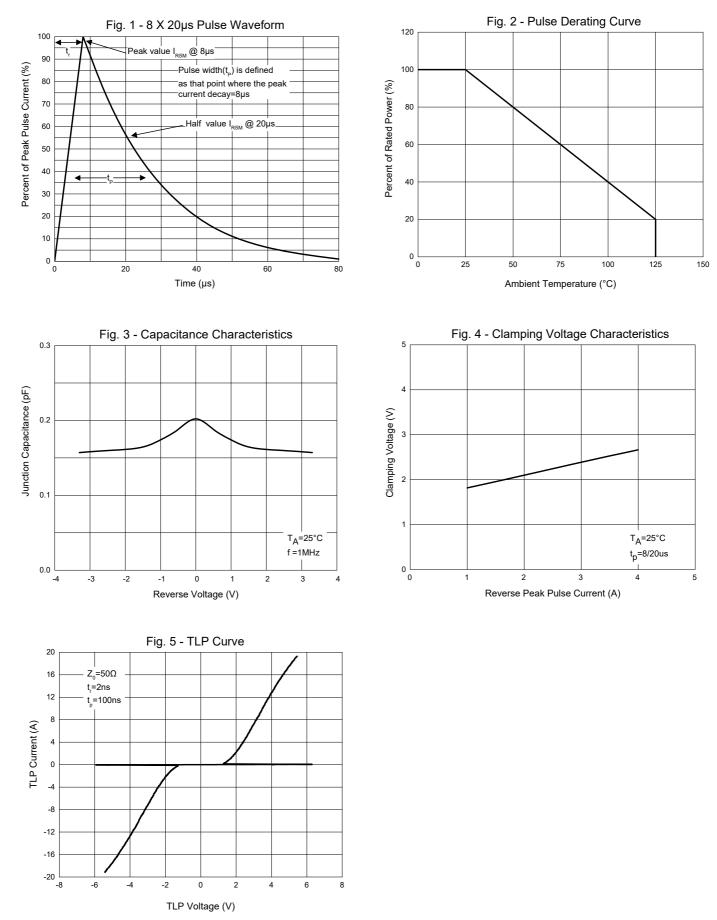
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				3.3	V
Reverse Breakdown Voltage	V _{BR}	I _T =0.1mA	4.5	6.5	8	V
Reverse Leakage Current	I _R	V _{RWM} =3.3V			0.1	μA
Clamping Voltage ^{Note1}	V _c	I _{PP} =1A, t _P =8/20µs		1.75		V
Clamping Voltage ^{Note1}	V _c	I _{PP} =4A, t _P =8/20μs		2.9		V
Junction Capacitance	CJ	V _R =1V, f=1MHz		0.2		pF
Dynamic Resistance Note2	R _{DYN}	TLP, t _P =100ns		0.19		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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