

Features

- Protects One Data or Power Line
- Chip Scale Package
- Ultra Low Leakage
- Low Clamping Voltage
- 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

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C

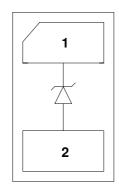
MCC Part Number	Device Marking	
CSP5V0L	5V	

IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV
Peak Pulse Current(8/20µs)	I _{PP}	50A
Peak Pulse Power (8/20µs)	P _{PK}	500W

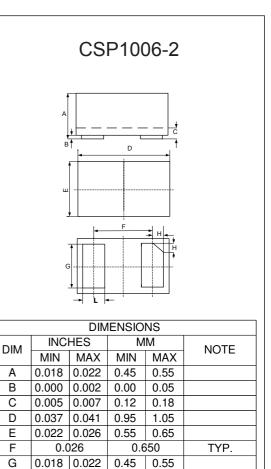
Note:

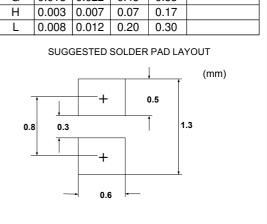
1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Circuit and Pin Schematic











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	5.8	6.5	8	V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.5	μA
Clamping Voltage	V _C	I _{PP} =30A, t _P =8/20μs			8.5	V
Clamping Voltage	V _c	I _{PP} =50A, t _P =8/20μs			10.5	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		110	130	pF



Curve Characteristics

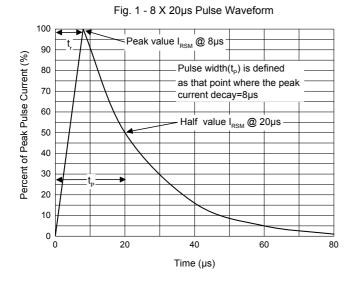
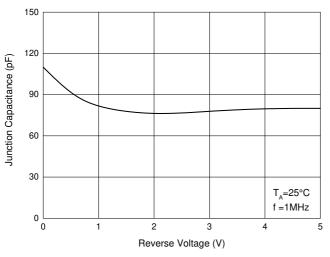


Fig. 3 - Capacitance Characteristics





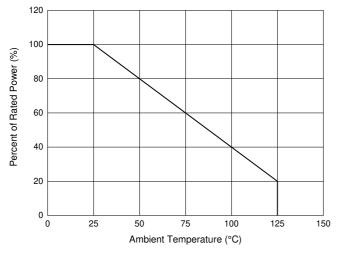


Fig. 2 - Non-Repetitive Peak Pulse Power

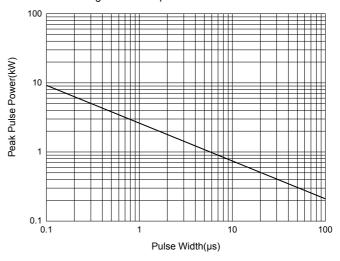
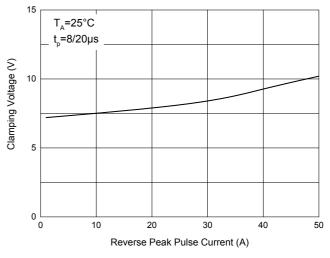


Fig. 4 - Clamping Voltage Characteristics





Ordering Information

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

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