

Features

- Protects One Data or Power Line
- 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

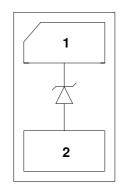
MCC Part Number	Device Marking		
CSPH7V0L	79P		
IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV	

	Contact	130RV
Peak Pulse Current(8/20µs)	I _{PP}	45A
Peak Pulse Power (8/20µs)	Р _{РК}	700W

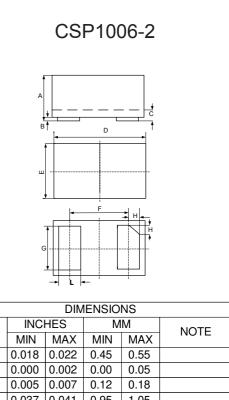
Note:

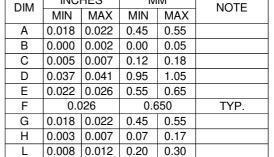
1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

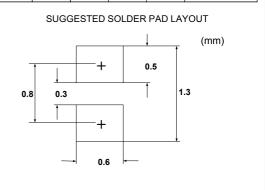
Circuit and Pin Schematic











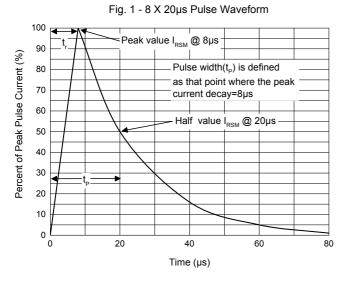


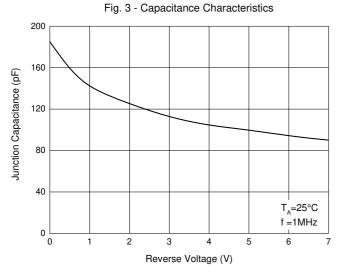
Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				7	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	8			V
Reverse Leakage Current	I _R	V _{RWM} =7V			0.5	μA
Forward Voltage	V _F	I _F =10mA		0.8	1.2	V
Clamping Voltage	V _c	I _{PP} =1A, t _P =8/20μs			10	V
Clamping Voltage	V _c	I _{PP} =45A, t _P =8/20μs			15	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		185		pF



Curve Characteristics







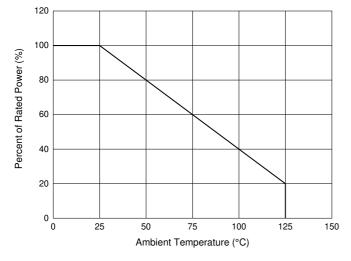


Fig. 2 - Non-Repetitive Peak Pulse Power

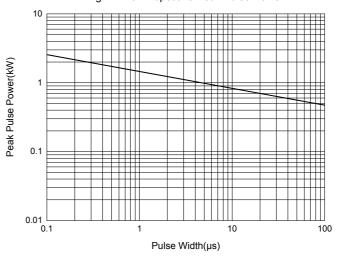
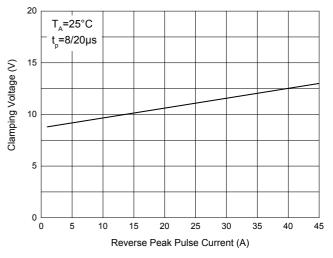


Fig. 4 - Clamping Voltage Characteristics





Ordering Information

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

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