

Features

- Chip Scale Package
- Ultra Low Capacitance
- Ultra Low Leakage
- Low Clamping Voltage
- 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

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

MCC Part Number	Device Marking		
CSPULC5V0LB	21		

IEC61000-4-2(ESD)	Air Contact	±20KV ±15KV
Peak Pulse Current(8/20µs)	I _{PP}	4A
Peak Pulse Power (8/20µs)	P _{PK}	80W

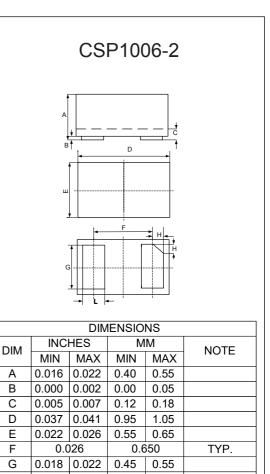
Note:

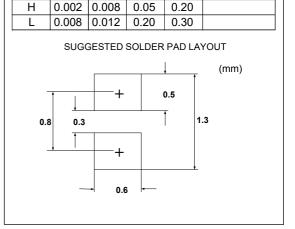
1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Internal Structure











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	7.5	8.5	V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.5	μA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs			12	V
Clamping Voltage	V _C	I _{PP} =4A, t _P =8/20μs		19	22	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.3	0.45	pF



Curve Characteristics

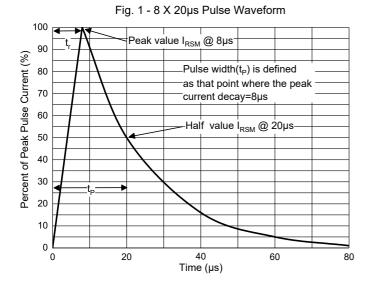
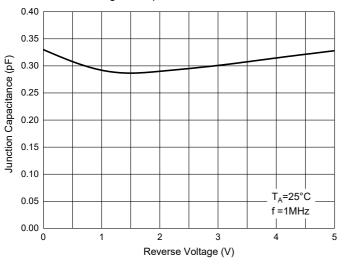
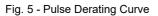
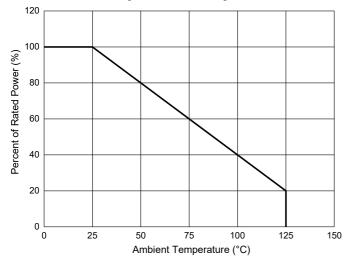


Fig. 3 - Capacitance Characteristics









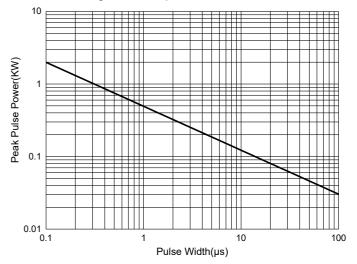
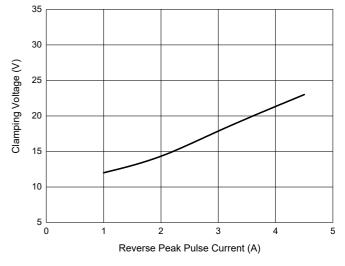


Fig. 4 - Clamping Voltage Characteristics





Ordering Information

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

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