

## Features

- Chip Scale Package
- Protects one Data or Power Line
- Ultra Low Leakage
- Low Clamping Voltage
- Halogen Free
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

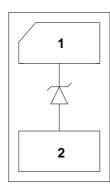
## **Maximum Ratings**

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

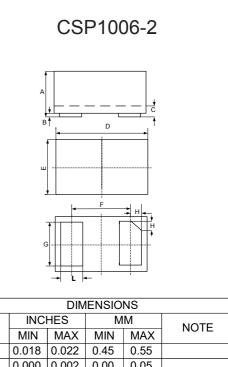
MCC Part Number	Device Marking
CSP3V3L	3V

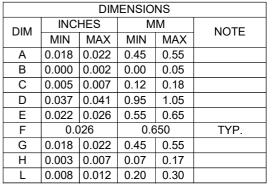
IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV
Peak Pulse Current(8/20µs)	I <sub>PP</sub>	65A
Peak Pulse Power (8/20µs)	P <sub>PK</sub>	600W

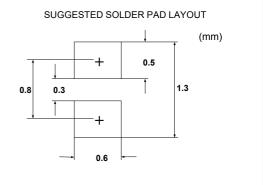
### **Circuit and Pin Schematic**











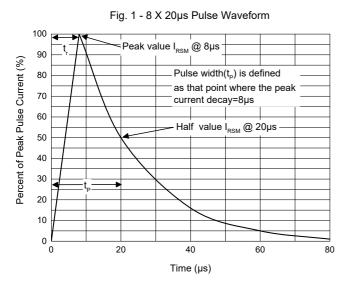


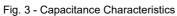
## Electrical Characteristics @ 25°C (Unless Otherwise Specified)

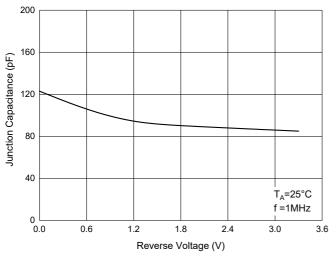
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V <sub>RWM</sub>				3.3	V
Reverse Breakdown Voltage	V <sub>BR</sub>	I <sub>T</sub> =1mA	3.6	4.2	5.5	V
Reverse Leakage Current	I <sub>R</sub>	V <sub>RWM</sub> =3.3V			0.5	μA
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =10mA	0.6	1.0	1.5	V
Clamping Voltage	Vc	I <sub>PP</sub> =30A, t <sub>P</sub> =8/20μs		7.5	8.5	V
Clamping Voltage	V <sub>c</sub>	I <sub>PP</sub> =65A, t <sub>P</sub> =8/20μs		9	10.5	V
Junction Capacitance	CJ	V <sub>R</sub> =0V, f=1MHz		120	150	pF



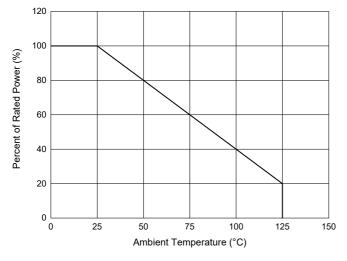
# **Curve Characteristics**











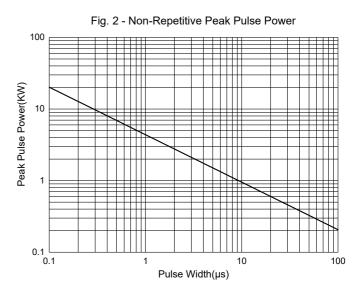
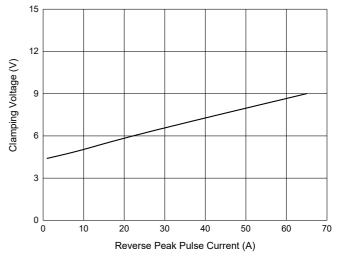


Fig. 4 - Clamping Voltage Characteristics





## **Ordering Information**

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

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