

Features

- · Low Clamping Voltage
- · Protects One Data or Power Line
- Very Low Capacitance
- · Low Operating 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	
ESDLC5V0AE2		5A
IEC61000-4-2(ESD)	Air Contact	±15KV ±8KV
Maximum Reverse Peak Pulse Current (8/20us)	l _{PP}	8A
Peak Pulse Power (8/20us Waveform)	P _{PK}	120W

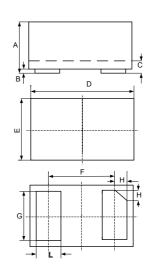
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Pin Configuration



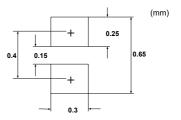
ESD Protection Device

0201-A



	DIMENSIONS					
DIM INC		HES	MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOTE	
Α	0.009	0.013	0.23	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	0.014		0.355		TYP.	
G	0.008	0.011	0.22	0.28		
Н	0.003		0.079		TYP.	
L	0.006	0.009	0.16	0.22		

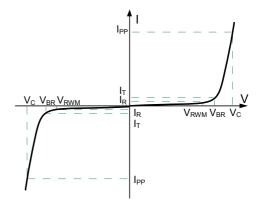
SUGGESTED SOLDER PAD LAYOUT





ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Symbol	Parameter		
I _{PP}	Maximum Reverse Peak Pulse Current		
Vc	Clamping Voltage @ I _{PP}		
V_{RWM}	Working Peak Reverse Voltage		
I _R	Maximum Reverse Leakage Current @ V _{RWM}		
V_{BR}	Breakdown Voltage @ I⊤		
I _T	Test Current		
С	Capacitance @V _R =0 and f =1MHz		

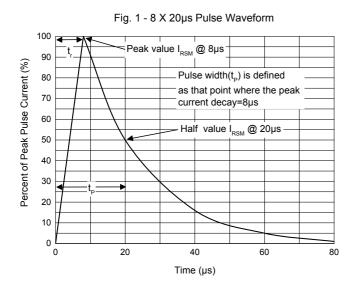


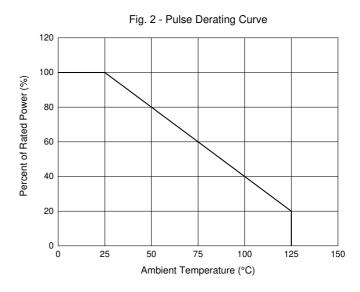
Electrical Characteristics per line @ 25°C (Unless Otherwise Specified)

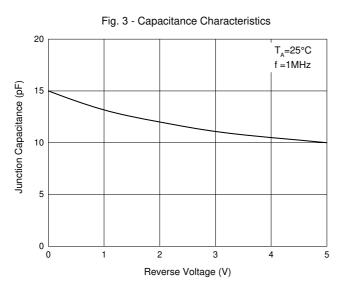
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				5	V
Breakdown Voltage	V_{BR}	I _T =1mA	6	8	9	V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.1	μA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs			8	V
Clamping Voltage	V _C	I _{PP} =8A, t _P =8/20μs			15	V
Junction Capacitance	CJ	V _R =0V, f =1MHz		15		pF

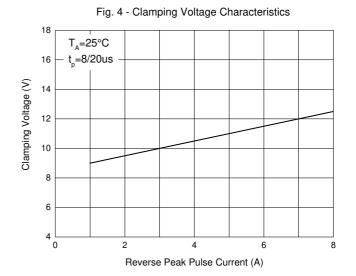


Curve Characteristics











Ordering Information

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

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