

Features

- · Ultra Low Capacitance
- · 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	
ESDSLC5V0AE2	ZZ	
IEC61000-4-2(ESD)	Air Contact	±20KV ±20KV
Maximum Reverse Peak Pulse Current (8/20us)	I _{PP}	5A
Peak Pulse Power (8/20us Waveform)	P _{PK}	125W

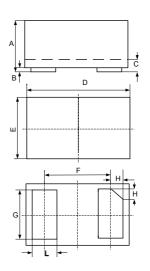
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Pin Configuration



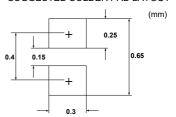
ESD Protection Device

0201-A



DIMENSIONS					
DIM INCHES		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	
E	0.010	0.014	0.25	0.35	
F	0.0)14	0.3	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	

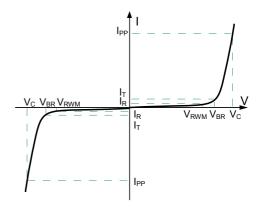
SUGGESTED SOLDER PAD LAYOUT





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 _T		
I _T	Test Current		
С	Capacitance @V _R =0 and f =1MHz		



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

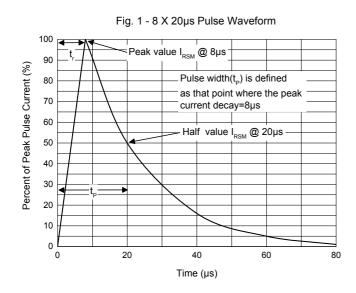
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	I _T = 1mA	6.5		9.5	V
Reverse Leakage Current	I _R	V _{RWM} =5V		0.02	0.1	μA
Clamping Voltage ^(Note 2)	V _C	I _{PP} =8A, t _P =100ns		21		V
Clamping Voltage ^(Note 2)	V _C	I _{PP} =16A, t _P =100ns		30		V
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs			12	V
Clamping Voltage	V _C	I _{PP} =5A, t _P =8/20μs			25	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.26	0.32	рF

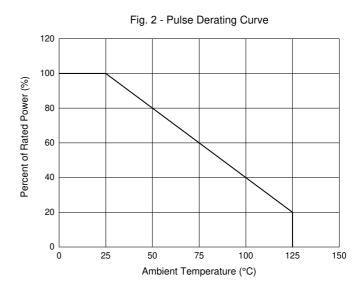
Note:

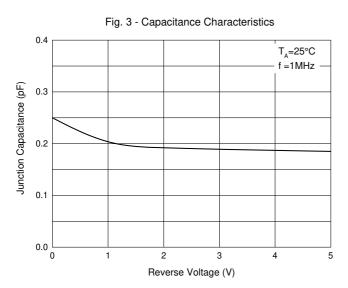
2. TLP Parameter: Z_0 =50 Ω , t_p =100ns, t_r =2ns, Averaging Window from 60ns to 80ns. R_{DYN} is Calculated from 4A to 16A.

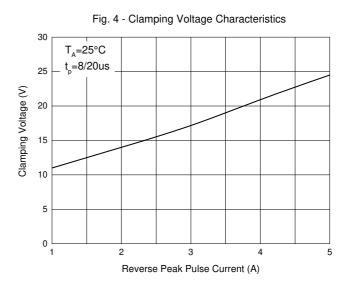


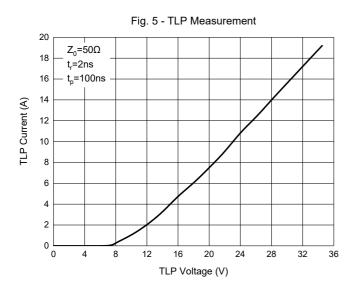
Curve Characteristics













Ordering Information

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

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