

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

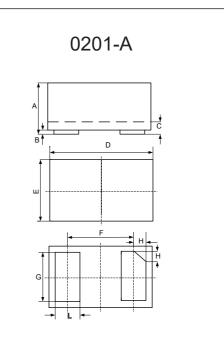
MCC Part Number	Device Marking	
ESDLC3V3AE2	Z3	
IEC61000-4-2(ESD)	Air Contact	±30KV ±28KV

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

-0 ╼┝┥



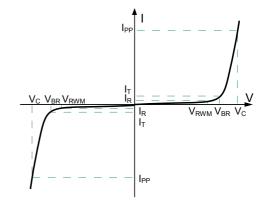


DIMENSIONS						
DIM	INC	CHES MM		IM	NOTE	
	MIN	MAX	MIN	MAX	NOTE	
A	0.009	0.013	0.23	0.33		
В	0.000	0.002	0.00	0.05		
С	0.005	0.007	0.12	0.18		
D	0.022	0.026	0.55	0.65		
E	0.010	0.014	0.25	0.35		
F	0.0)14	0.3	355	TYP.	
G	0.008	0.011	0.22	0.28		
Н	0.0	003	0.0)79	TYP.	
L	0.006	0.009	0.16	0.22		
SUGGESTED SOLDER PAD LAYOUT (mm) 						



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

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

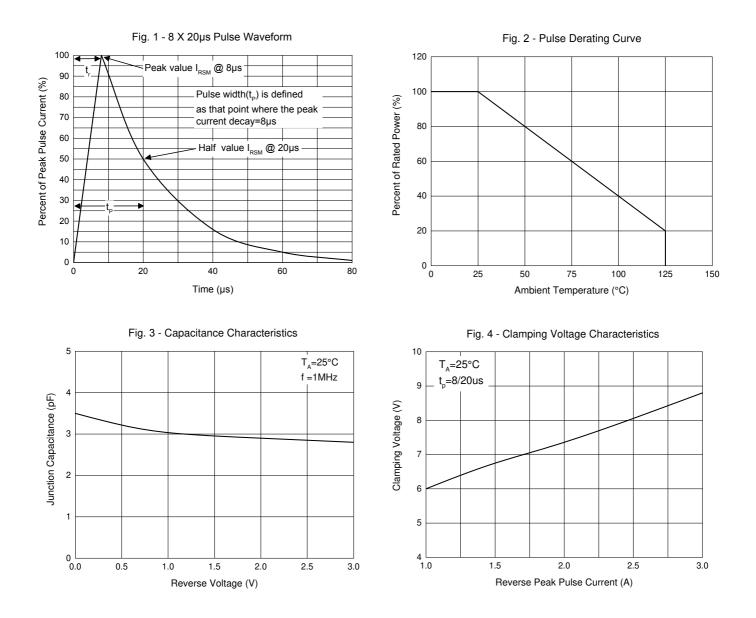


Electrical Characteristics per line @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				3.3	V
Breakdown Voltage	V _{BR}	I _t =1mA	4.3			V
Reverse Leakage Current	I _R	V _{RWM} =3.3V			0.2	μA
Clamping Voltage	V _C	I _{PP} =3A, t _P =8/20μs			10	V
Junction Capacitance	CJ	V _R =0V, f =1MHz		3		pF



Curve Characteristics





Ordering Information

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

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