

Features

- · Ultra Low Capacitance
- · Low Operating Voltage
- · Low Clamping Voltage
- Halogen Free. "Green" Device (Note 1)
- · Epoxy Meets UL 94 V-0 Flammability Rating
- · Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

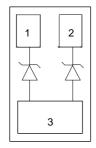
- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C

MCC Part Number	Device Marking
ESDLC5V0LTB	53

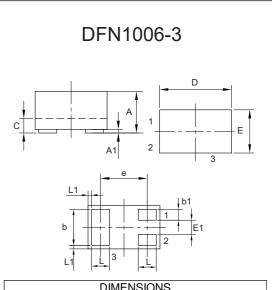
IEC61000-4-2(ESD)	Air Contact	±15KV ±12KV
IEC61000-4-4 (EFT) @5/50ns		40A

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

Circuit and Pin Schematic

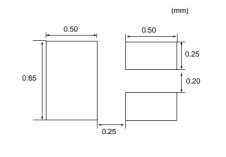


ESD Protection Device



DIMENSIONS					
DIM INCHES		MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	0.018	0.022	0.45	0.55	
A1	0.000	0.002	0.00	0.05	
b	0.018	0.022	0.45	0.55	
b1	0.004	0.008	0.10	0.20	
С	0.005	0.007	0.12	0.18	
D	0.037	0.041	0.95	1.05	
E	0.022	0.026	0.55	0.65	
E1	0.006	0.010	0.15	0.25	
е	0.0)26	0.65		TYP.
L	0.008	0.012	0.20	0.30	
L1	0.0002		0.	05	TYP.

SUGGESTED SOLDER PAD LAYOUT



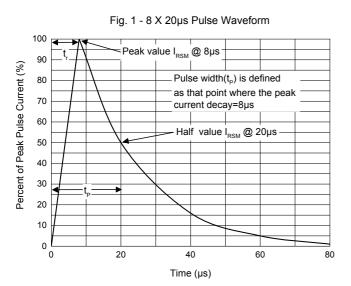


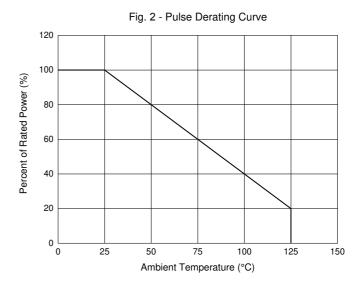
Electrical Characteristics per line @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}	Pin 1 or Pin 2 to Pin 3 and Between Pin 1 and Pin 2			5	V
Reverse Breakdown Voltage	V_{BR}	I _T = 1mA, Pin 1 or Pin 2 to Pin 3 and Between Pin 1 and Pin 2	6			V
Reverse Leakage Current	I _R	V _{RWM} = 5V, Pin 1 or Pin 2 to Pin 3 and Between Pin 1 and Pin 2			0.5	μΑ
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs, Pin 1 or Pin 2 to Pin 3			10	V
Junction Capacitance	CJ	V _R = 0V, f = 1MHz, Between Pin 1 and Pin 2			5	pF
Junction Capacitance	CJ	V _R = 0V, f = 1MHz, Pin 1 or Pin 2 to Pin 3			10	pF

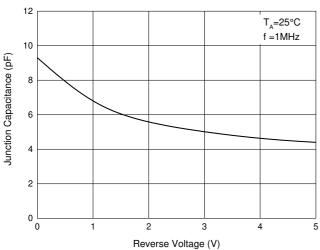


Curve Characteristics











Ordering Information

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

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Rev.3-3-12012020 4/4 MCCSEMI.COM