

Features

- · Ultra Low Capacitance
- · Low Operating Voltage
- · Low Clamping Voltage
- · Ultra Low Leakage: nA Level
- · 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

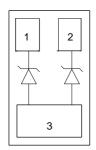
- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C

MCC Part Number	Device Marking
ESDSLC5V0LTB	52

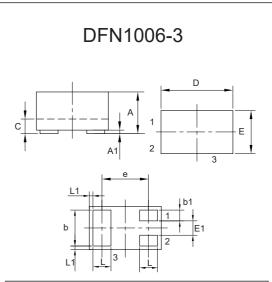
IEC61000-4-2(ESD)	Air Contact	±25KV ±20KV

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

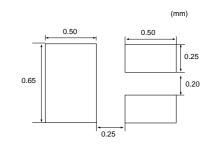


ESD Protection Device



DIMENSIONS						
DIM INCHES		HES	MM		NOTE	
	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		
Е	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



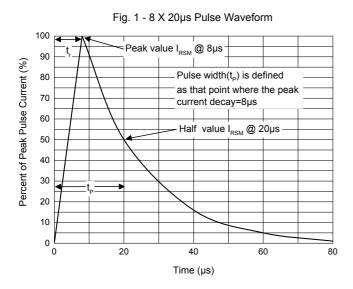


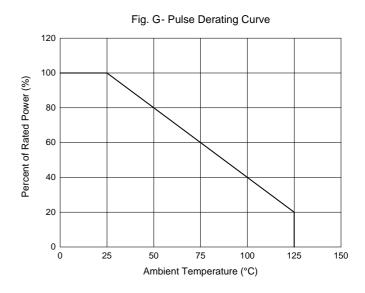
Electrical Characteristics per line @ 25°C (Unless Otherwise Specified)

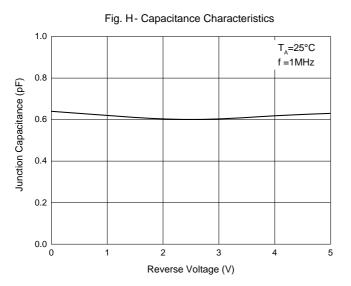
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}	Pin 1 or Pin 2 to Pin 3 and Between Pin 1 and Pin 2			5	V
Reverse Breakdown Voltage	V_{BR}	I _T = 1mA, Pin 1 or Pin 2 to Pin 3 and Between Pin 1 and Pin 2	6.4			V
Reverse Leakage Current	I _R	V _{RWM} = 5V, Pin 1 or Pin 2 to Pin 3 and Between Pin 1 and Pin 2		10	100	nA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs, Pin 1 or Pin 2 to Pin 3			10	V
Clamping Voltage	V _C	I _{PP} =5A, t _P =8/20μs, Pin 1 or Pin 2 to Pin 3			15	V
Junction Capacitance	CJ	V _R = 0V, f = 1MHz, Between Pin 1 and Pin 2		0.3	0.5	pF
Junction Capacitance	CJ	V _R = 0V, f = 1MHz, Pin 1 or Pin 2 to Pin 3			0.8	pF

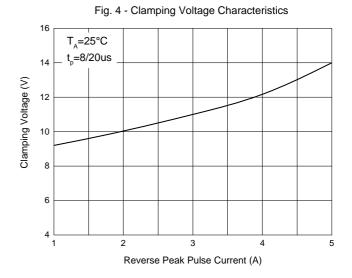


Curve Characteristics











Ordering Information

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

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