

Features

- · Low Clamping Voltage
- · Ultra Low Capacitance
- · 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 +150°C
- Storage Temperature Range: -55°C to +150°C

MCC Part Number	Device Marking		
ESDSLC5V0L2B	5N		

IEC61000-4-2(ESD)	Air Contact	±20KV ±20KV
IEC61000-4-4 (EFT) @5/50ns		40A
Peak Pulse Current(8/20µs)	I _{PP}	3A
Peak Pulse Power (8/20µs)	P _{PK}	40W

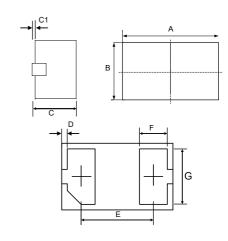
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Internal Structure



ESD Protection Device

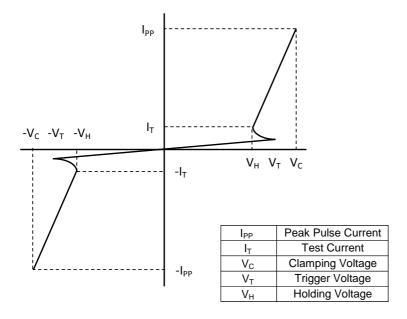
DFN1006-2L



	DIMENSIONS					
DIM INCHES		HES	MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOIL	
Α	0.037	0.041	0.95	1.05		
В	0.022	0.026	0.55	0.65		
С	0.016	0.020	0.40	0.50		
C1		0.002		0.05		
D	0.001	0.003	0.02	0.08		
Е	0.026		0.65		TYP.	
F	0.008	0.012	0.20	0.30		
G	0.018	0.022	0.45	0.55		



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

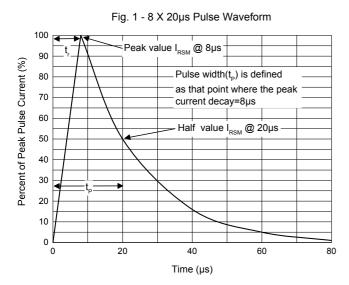


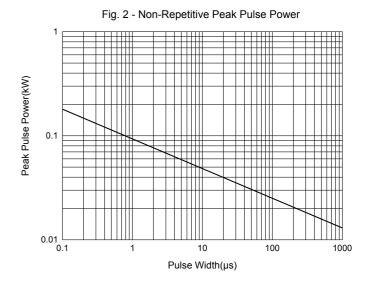
Electrical Characteristics @ 25°C (Unless Otherwise Specified)

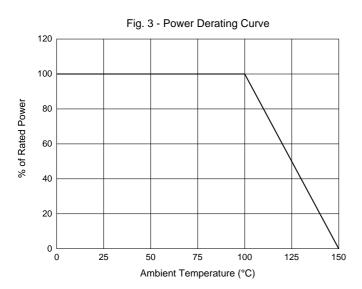
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				5.5	V
Trigger Voltage	V _{TRIG}	High Voltage than V _{TRIG} Guarantees the Protection Turn-On	6.5			V
Holding Voltage	V _H	I _H =1mA,Lower Voltage than V _{TRIG} Guarantees the Protection Turn-Off	6.1	7	8.8	V
Reverse Leakage Current	I _R	V _{RWM} =5.5V			50	nA
Clamping Voltage	V _C	$I_{PP}=1A, t_{P}=8/20\mu s$			13	V
Clamping Voltage	V _C	$I_{PP}=3A, t_{P}=8/20\mu s$			15	V
Junction Capacitance	CJ	$V_R = 0V, f = 1MHz$		0.15	0.2	pF

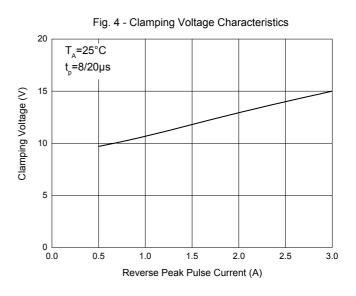


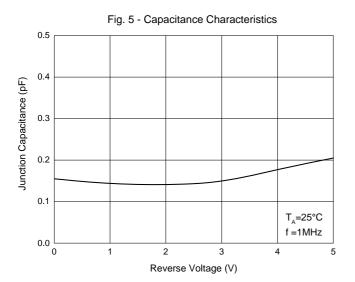
Curve Characteristics













Ordering Information

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

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