



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

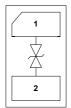
- Ultra low capacitance: 0.25pF typical
- Ultra low operating voltage: 3.3V
- Low clamping voltage
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5(Lightning) 5A (8/20us)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"
- Marking:3L

Maximum Ratings

- Junction Temperature: -55°C to +125°C
- StorageTemperature: -55°C to +150°C

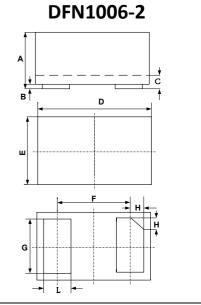
Parameter		Symbol	Limits	unit
IEC61000-4-2(ESD)	Contact	V	±25	
	Air	V_{ESD}	± 20	KV
Peak Pulse Power (8/20us)		P _{pk}	100	W
Peak Pulse Current (8/20us)		I _{pp}	5	А

Circuit and Pin Schematic

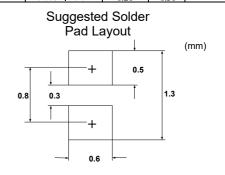


ESDSLC3V3LB

ESD Protection Device



	DIMENSIONS				
DIM	INCHES		MI	NOTE	
	MIN	MAX	MIN	MAX	NOTE
Α	0.018	0.022	0.45	0.55	
В	0.000	0.002	0.00	0.05	
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	
F	0.026	REF.	0.650	REF.	
G	0.018	0.022	0.45	0.55	
Н	0.003	0.007	0.07	0.17	
L	0.008	0.012	0.20	0.30	

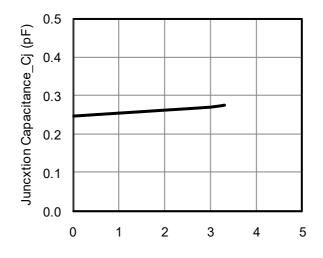




Parameter	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse Working Voltage	VRWM			3.3	V	
Breakdown Voltage	VBR	5			V	IT = 1mA
Reverse Leakage Current	I _R			0.05	uA	VRWM = 3.3V
Clamping Voltage	Vc			10	V	IPP = 1A (8 x 20µs pulse)
Clamping Voltage	Vc			20	V	IPP = 5A (8 x 20µs pulse)
Junction Capacitance	CJ		0.25	0.3	pF	VR = 0V, f = 1MHz

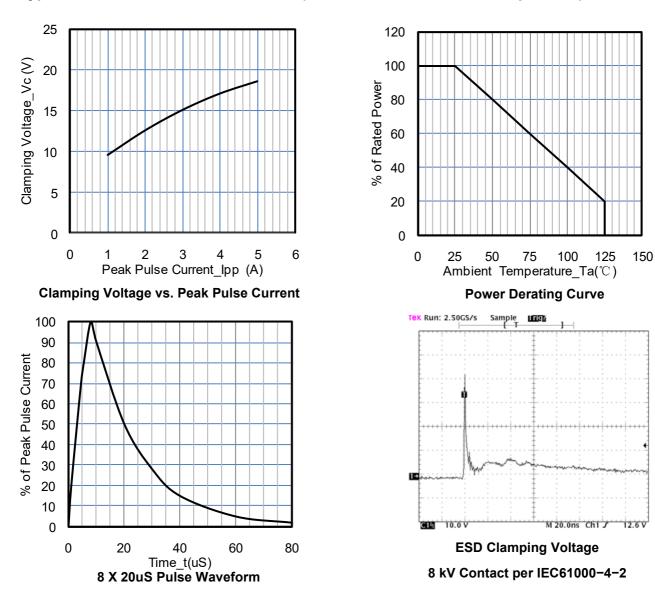
Electrical Characteristics (T_A=25°C unless otherwise specified)

Typical Performance Characteristics (TA=25°C unless otherwise Specified)



Junction Capacitance vs. Reverse Voltage





Typical Performance Characteristics (T_A=25°C unless otherwise Specified)



Ordering Information :

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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