

Micro Commercial Components

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

Features

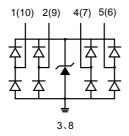
- Halogen free available upon request by adding suffix "-HF" Lead Free Finish/RoHS Compliant ("P" Suffix designates
- RoHS Compliant. See ordering information) Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Small package saves board space
- Protects four(4) I/O lines
- Low clamping voltage
- 150W peak pulse power (tp=8/20us)
- Low capacitance
- Can handle multiple ESD strikes

Maximum Ratings

Operating Junction & StorageTemperature: -55°C to +150°C

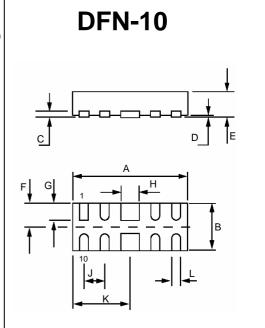
	Symbol	Limits	unit
Air		±15	кv
Contact		\pm 8	κv
IEC61000-4-5 (lightning): @ 8/20us		24	А
Peak Pulse Power: @ 8/20us		150	W
	Contact 8/20us	Air Contact 8/20us	Air ±15 Contact ±8 8/20us 24

PinConfiguration



ESDLC5V0DFN10

5 Volts ESD Protection **Device**



DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
А	.0094	0.102	2.40	2.60		
В	.035	.043	0.90	1.10		
С	.005		0.13			
D	.000	.002	0.00	0.05		
Е	.020	.026	0.50	0.65		
F	.017	.022	0.45	0.55		
G	.012	.017	0.30	0.425		
Н	.014	.018	0.35	0.45		
J	.020BSC		0.5BSC			
к	.047	.056	1.20	1.30		
L	.006	.010	0.15	0.25		
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Electrical characteristics per line@25°C(unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse stand-off voltage	V _{RWM}				5	V
Reverse Breakdown voltage	V _{BR}	I _t = 1mA	6			V
Reverse Leakage Current	I _R	V _{RWM} = 5V T=25°C			1	μA
Junction Capacitance	Cj	V _R =0V f = 1MHz		0.5		pF
Clamping voltage	Vc	lpp=1A			12.5	V
Clamping voltage	Vc	lpp=5A			28.0	V

Typical Characteristics

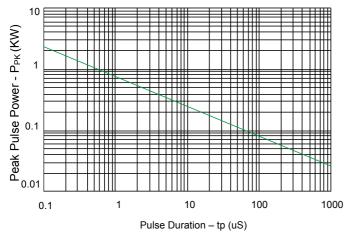


Fig1.Non-Repetitive Peak Pulse Power vs. Pulse time

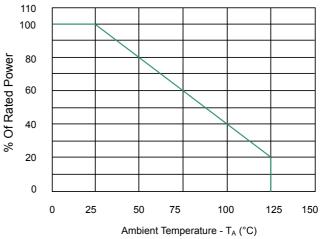
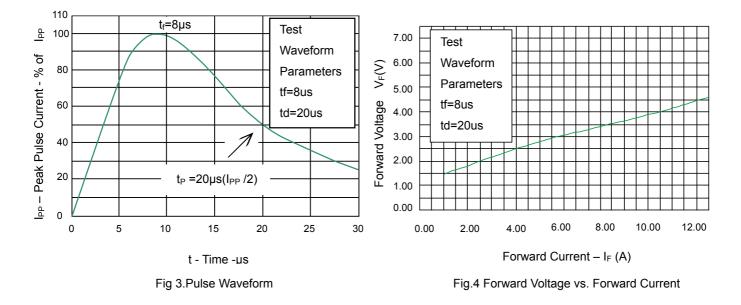


Fig2. Power Derating Curve



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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

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