



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth

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Features

- Halogen free available upon request by adding suffix "-HF"
- For sensitive ESD protection
- Low clamping voltage
- Low leakage
- Protects one power or I/O port
- ESD protection > 40 kV
- Fast response ,response time less than 1ns.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

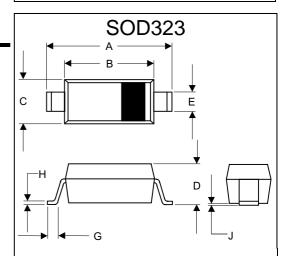
Maximum Ratings

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

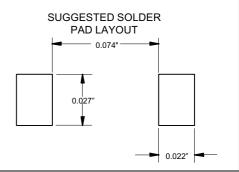
Parameter		Symbol	Limits	unit
IEC61000-4-2(ESD)	Air		±15	10.7
	Contact		±8	KV
ESD Voltage per human		40	KV	
Power Dissipation		Ppp	500	W

ESD3V3D3

3.3Volts **ESD Protection Devices**



DIMENSIONS						
DIM	INCHES		M	NOTE		
	MIN	MAX	MIN	MAX		
Α	.090	.107	2.30	2.70		
В	.063	.071	1.60	1.80		
С	.045	.053	1.15	1.35		
D	.031	.045	0.80	1.15		
Е	.010	.016	0.25	0.40		
G	.004	.018	0.10	0.45		
Н	.004	.010	0.10	0.25		
J		.006		0.15		

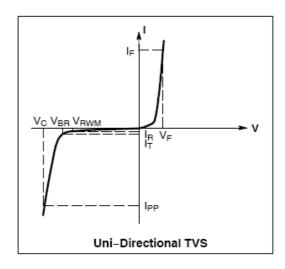




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ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Symbol	Parameter		
I _{PP}	Maximum Reverse Peak Pulse Current		
Vc	Clamping Voltage @ IPP		
V _{RWM}	Working Peak Reverse Voltage		
I _R	Maximum Reverse Leakage Current @ V _{RWM}		
V_{BR}	Breakdown Voltage @ I _T		
I _T	Test Current		
I _F	Forward Current		
V _F	Forward Voltage @ I _F		
P _{pk}	Peak Power Dissipation		
С	Max. Capacitance @V _R =0 and f =1MHz		

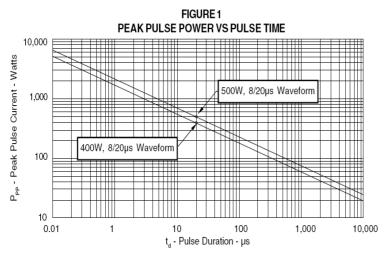


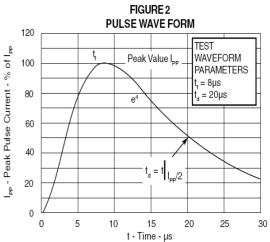
ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

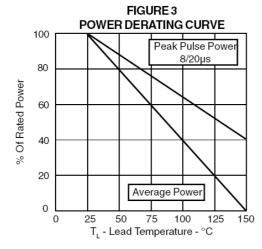
Device	Device Marking	V _{RWM}	I _R (μΑ) @ V _{RWM}	V _{BR} (V) @ I _τ (Note 2)		Ι _τ	Vc @IPP = 7 A	Cj(pF) V _R =0V
		Max	Max	Min	Max	mA	٧	Тур
ESD3V3D3		3.3	1.0	5.0		1.0	9.3	100

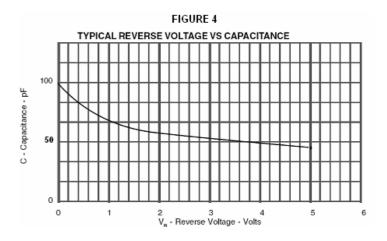


TYPICAL CHARACTERISTICS











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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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