

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth

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ESD5V0M5

Features

- Halogen free available upon request by adding suffix "-HF"
- For sensitive ESD protection
- Excellent clamping capability
- Low leakage
- ESD rating of class 3(>16KV)per Human Body Mode
- For space saving application
- Fast response ,response time less than 1ns.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

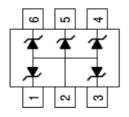
Maximum Ratings

- Operating Junction &StorageTemperature: -55°C to +150°C
- Maximum Thermal Resistance; 833°C/W Junction To Ambient

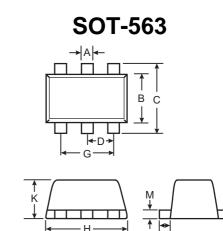
Parameter	Symbol	Limits	unit	
IEC61000-4-2(ESD)	Air		±15	10.7
	Contact		±15	KV
ESD Voltage per human		16	K۷	
Power Dissipation(Note 1	Pd	150	mw	
Peak Power Dissipation@	Ppk	100	W	

Only 1 diode under power. For all 5 diodes under power,
 PD will be 20%. Mounted on FR--4 board with min pad.

PinConfiguration



5 Volts ESD Protection Device



DIMENSIONS						
	INCHES		М			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.006	.011	0.15	0.30		
В	.043	.049	1.10	1.25		
С	.061	.067	1.55	1.70		
D	.020		0.			
G	.035	.043	0.90	1.10		
Н	.059	.067	1.50	1.70		
K	.022	.023	0.56	0.60		
Ĺ	.004	.011	0.10	0.30		
М	.004	.007	0.10	0.18		



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ELECTRICAL CHARACTERISTICS ($T_A = 25^{\circ}$ C unless otherwise noted, $V_F = 0.9$ V Max. @ $I_F = 10$ mA for all types)

Device*	Device Marking	V _{RWM} (V)	I _R (μ A) @ V _{RWM}	V _{BR} (V) @ I _T		I _T	V _c (V) @ Max I _{PP} =1A	V _c (V) @ Max I _{PP} =5A	I _{PP} (A)	C (pF)
		Max	Max	Min	Max	mA	Max	Max	Max	Тур
ESD5V0M5	52	5.0	5	6.0	7.2	1.0	10.5	13.5	8	32



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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