



Micro Commercial Components



Micro Commercial Components
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ESD5V0K5

5 Volts
ESD Protection
Device

Features

- 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

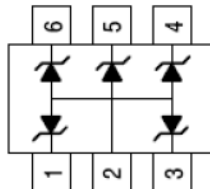
Maximum Ratings

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

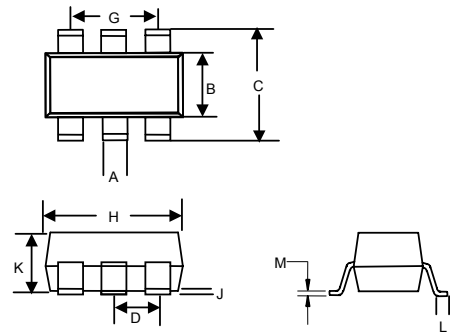
Table with 5 columns: Parameter, Symbol, Limits, unit. Rows include IEC61000-4-2(ESD) Air Contact, ESD Voltage per human body mode, Power Dissipation, and Peak Power Dissipation.

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

PinConfiguration



SOT-363



DIMENSIONS table with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows list dimensions A through M.



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

Device*	Device Marking	$V_{RWM}$ (V)	$I_R$ ( $\mu\text{A}$ ) @ $V_{RWM}$	$V_{BR}$ (V) @ $I_T$		$I_T$	$V_C$ (V) @Max $I_{PP}=1\text{A}$	$V_C$ (V) @Max $I_{PP}=5\text{A}$	$I_{PP}$ (A)	C (pF)
		Max	Max	Min	Max	mA	Max	Max	Max	Max
ESD5V0K5	22	5.0	5	6.0	7.2	1.0	9.5	12.5	8	130



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### Ordering Information :

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

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