



Micro Commercial Components  
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## 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

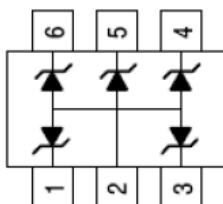
## Maximum Ratings

- 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 Contact		±15 ±15	KV
ESD Voltage per human body mode		16	KV
Power Dissipation(Note 1)	Pd	150	mw
Peak Power Dissipation@8/20us	Ppk	20	W

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

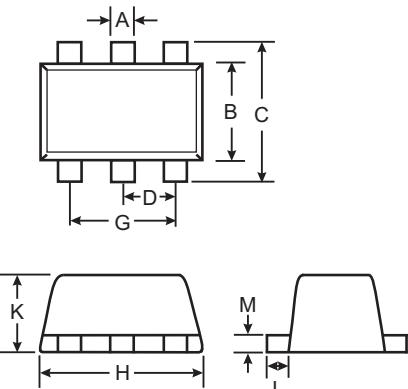
## Pin Configuration



**ESDLC5V0M5**

**5 Volts  
ESD Protection  
Device**

**SOT-563**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.006	.011	0.15	0.30	
B	.043	.049	1.10	1.25	
C	.061	.067	1.55	1.70	
D	.020		0.50		
G	.035	.043	0.90	1.10	
H	.059	.067	1.50	1.70	
K	.022	.023	0.56	0.60	
L	.004	.011	0.10	0.30	
M	.004	.007	0.10	0.18	

# •M•C•C•

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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	$V_{RWM}\text{ (V)}$	$I_R\text{ (\mu A)}$	$V_{BR}\text{ (V)}$		$I_T$	$V_c\text{ (V)}$		Capacitance	$C\text{ (pF)}$
			Max	Max	Min		Max	$I_{PP}\text{ (A)}$		
ESDLC5V0M5	L2	5.0	1	6.2	7.2	1.0	12	1.6	11	10

<sup>TM</sup>

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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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