

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Micro Commercial Components (MCC) ESD5V0J4-TP

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



Distributor of Micro Commercial Components (MCC) : Excellent Integrated System Limite Datasheet of ESD5V0J4-TP - TVS DIODE 5VWM 12.5VC SOT353 Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com





Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA91311 Phone: (818) 701-4933 Fax: (818) 701-4939

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

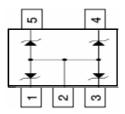
Maximum Ratings

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

Parameter		Symbol	Limits	unit
IEC61000-4-2(ESD)	Air		±30	
	Contact		\pm 30	KV
ESD Voltage per human		16	KV	
per machine		400	V	
Power Dissipation(Note 1	Pd	150	mw	
Peak Power Dissipation@	Ppk	200	W	

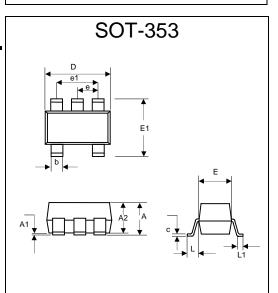
1.Only 1 diode under power. For all 4 diodes under power, PD will be 25%. Mounted on FR--4 board with min pad.

Pin Configuration



5 Volts ESD Protection Devices

ESD5V0J4



	INC	HES	MM		
DIM	MIN	MAX	MIN	MAX	
Α	.035	.043	0.90	1.10	
A1	.00	.004	.00	.100	
A2	.035	.039	.900	1.00	
b	.006	.014	.150	.350	
С	.003	.006	.080	.150	
D	.079	.087	2.0	2.2	
Е	.045	.053	1.15	1.35	
E1	.085	.096	2.15	2.45	
е	.026 TYP		.650 TYP		
e1	.047	.055	1.2	1.4	
L	.021 REF		.525 REF		
L1	.010	.018	.260	.460	

www.mccsemi.com



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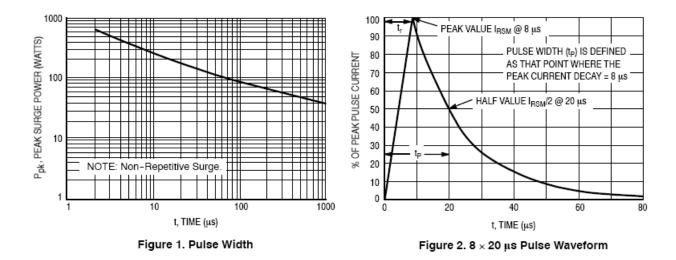


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Device*	Device Marking	V _{RWM} (V)	I _R (µА) @V _{RWM}		_₹ (V) ⊉ I _⊺	Ι _τ	V _F (V) @I _F =200mA	V _c (V) @Max I _{PP} ⁺=5A	C (pF)	
Warking	warking	Max	Max	Min	Max	mA	Max	Мах	Тур	
ESD5V0J4	12	5.0	2	6.0	7.2	1.0	1.25	12.5	90	

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted, V_F = 0.9 V Max. @ I_F = 10mA for all types)

TYPICAL CHARACTERISTICS



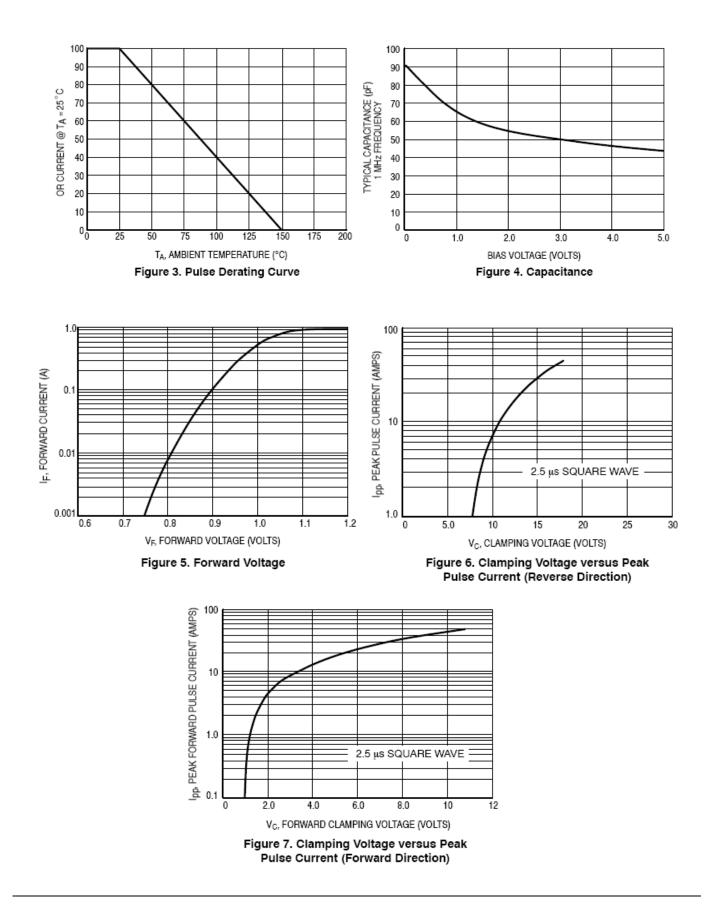




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Ordering Information :

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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