



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

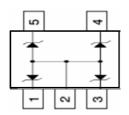
Maximum Ratings

- 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		\pm 30	
Contact		\pm 30	KV
ESD Voltage per human body mode		16	KV
per machine mode		400	V
Power Dissipation(Note 1)	Pd	150	mw
Peak Power Dissipation@8/20us	Ppk	200	W

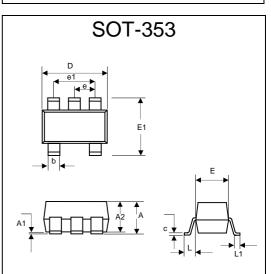
1.Only 1 diode under power. For all 4 diodes under power, PD will be 25%. Mounted on FR--4 board with min pad.

Pin Configuration



5 Volts ESD Protection Devices

ESD5V0J4



	INCHES		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	

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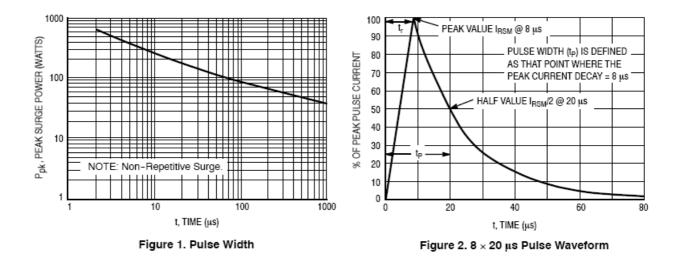
Revision: C



Device*	Device		Ι _τ	V _F (V) @I _F =200mA	V _c (V) @Max I _{PP} ⁺=5A	C (pF)			
	Marking	Max	Max	Min	Max	mA	Max	Мах	Тур
							1.25		90

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

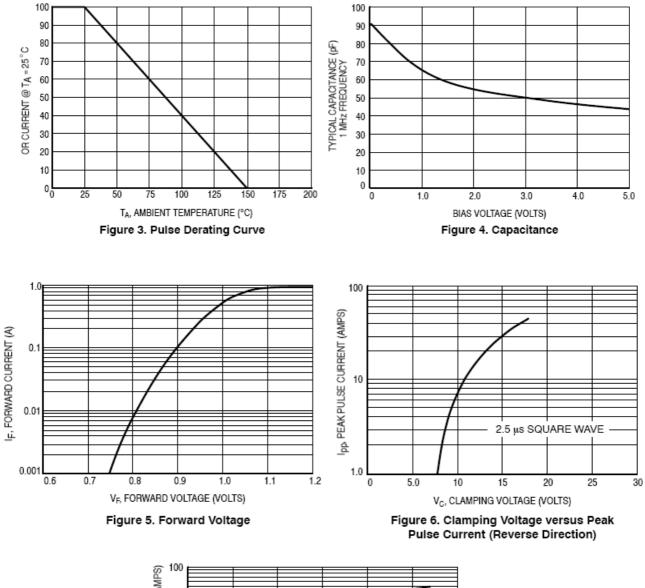
TYPICAL CHARACTERISTICS

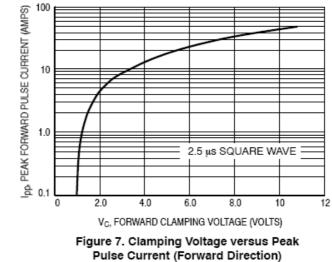


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Downloaded from: http://www.datasheetcatalog.com/



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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