

Micro Commercial Components

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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.
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL rating 1

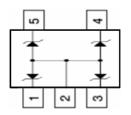
Maximum Ratings

- 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		±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



SOT-553

ESD5V0L4

MIN MAX MIN MAX A .021 .024 .525 .60 A1 .00 .002 .00 .05 e .018 .022 .45 .55 c .004 .006 .09 .16 D .059 .067 1.5 1.7 b .007 .011 .17 .27 E1 .043 .051 1.1 1.3	DIM	INC	HES	IVIIVI		
A1 .00 .002 .00 .05 e .018 .022 .45 .55 c .004 .006 .09 .16 D .059 .067 1.5 1.7 b .007 .011 .17 .27 E1 .043 .051 1.1 1.3	ואוע	MIN		MIN	MAX	
e .018 .022 .45 .55 c .004 .006 .09 .16 D .059 .067 1.5 1.7 b .007 .011 .17 .27 E1 .043 .051 1.1 1.3	А	.021	.024	.525	.60	
c .004 .006 .09 .16 D .059 .067 1.5 1.7 b .007 .011 .17 .27 E1 .043 .051 1.1 1.3	A1	.00	.002	.00	.05	
D .059 .067 1.5 1.7 b .007 .011 .17 .27 E1 .043 .051 1.1 1.3	е	.018	.022	.45	.55	
b .007 .011 .17 .27 E1 .043 .051 1.1 1.3	С	.004	.006	.09	.16	
E1 .043 .051 1.1 1.3	D	.059	.067	1.5	1.7	
	b	.007	.011	.17	.27	
	E1	.043	.051	1.1	1.3	
E .059 .067 1.5 1.7	E	.059	.067	1.5	1.7	
L .004 .012 .100 .300	L	.004	.012	.100	.300	

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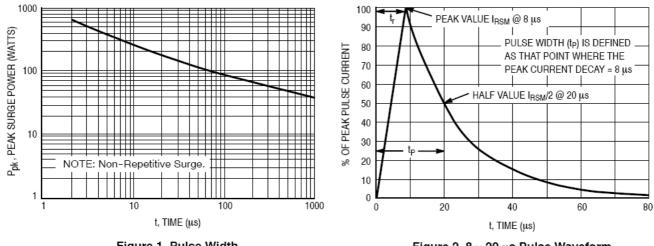


Device*	Device Marking	V _{RWM} (V)	I _R (μΑ) @V _{RWM}		∝ (V) ⊉ I₁	IT	V _F (V) @I _F =200mA	V _c (V) @Мах I _{PP} =1А	V _c (V) @Max I _{PP} =5A	C (pF)
		Max	Max	Min	Max	mA	Max	Max	Max	Max
ESD5V0L4	42	5.0	5	6.0	7.2	1.0	1.25	10.5	13.5	80

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

1. Non--repetitive current per Figure 1. Derate per Figure 2.

TYPICAL CHARACTERISTICS



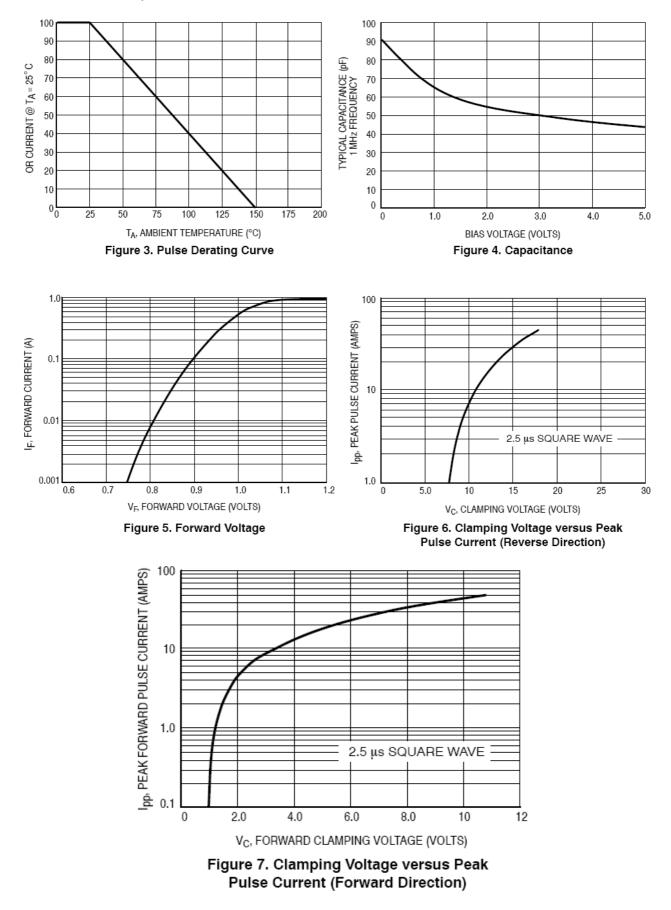




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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel3Kpcs/Reel

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