

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

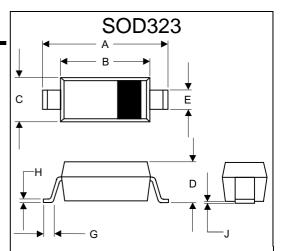
Maximum Ratings

- Operating Junction & StorageTemperature: -55°C to +150°C
- Maximum Thermal Resistance: 625°C/W Junction To Ambient

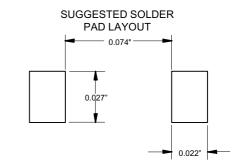
Parameter		Symbol	Limits	unit		
IEC61000-4-2(ESD)	Air		±15			
	Contact		\pm 8	ΚV		
ESD Voltage per human		30	K٧			
Power Dissipation	Pd	200	mw			

ESD5V0D3 Thru ESD12VD3

5V~12Volts ESD Protection Devices



DIMENSIONS						
DIM	INCHES		N	NOTE		
	MIN	MAX	MIN	MAX		
А	.090	.107	2.30	2.70		
В	.063	.071	1.60	1.80		
С	.045	.053	1.15	1.35		
D	.031	.045	0.80	1.15		
Е	.010	.016	0.25	0.40		
G	.004	.018	0.10	0.45		
Н	.004	.010	0.10	0.25		
J		.006		0.15		

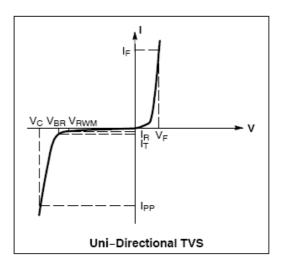


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ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Symbol	Parameter			
IPP	Maximum Reverse Peak Pulse Current			
Vc	Clamping Voltage @ IPP			
V _{RWM}	Working Peak Reverse Voltage			
I _R	Maximum Reverse Leakage Current @ V_{RWM}			
V _{BR}	Breakdown Voltage @ I_T			
Ι _Τ	Test Current			
I _F	Forward Current			
VF	Forward Voltage @ I _F			
P _{pk}	Peak Power Dissipation			
С	Max. Capacitance $@V_R=0$ and f =1MHz			



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

Device	Device Marking	V _{RWM} (V)	I _R (µА) @V _{RWM}	V _{вк} @ I _t (N		Ιτ	Vc @IPP = 5 A	I _{PP} (A) ⁺	V _с (V) @Max I _{₽Р} ⁺	P _{pk} ⁺ (W)	C (pF)
Marking	Max	Max	Min	Max	mA	V	Max	Max	Max	Тур	
ESD5V0D3	ZA	5.0	1.0	6.2	7.3	1.0	9.8	15	15.5	350	350
ESD12VD3	ZC	12	1.0	13.3	15.75	1.0	22	12	33	350	150

+Surge current waveform per Figure 6.

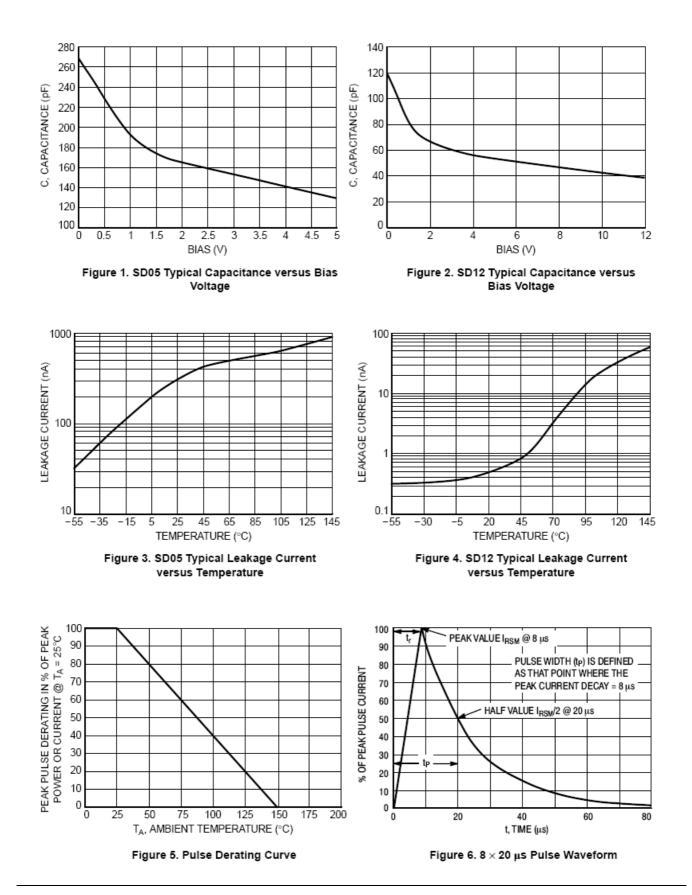
2. V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25°C.





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TYPICAL CHARACTERISTICS



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Ordering Information

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

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