



Micro Commercial Components

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ESD5V0D5B

Features

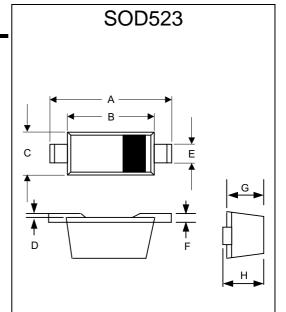
- For sensitive ESD protection
- Excellent clamping capability
- Low leakage
- ESD protection > 16 kV
- For space saving application
- Fast response ,response time less than 1ns.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

Operating Junction &StorageTemperature: -55°C to +150°C

Parameter	Symbol	Limits	unit	
IEC61000-4-2(ESD)	Air		±15	ΚV
	Contact		±8	ΚV
IEC 61000-4-4(EFT) (5/50ns)			40	А
Peak Pulse Power		P_{PP}	200	W





	DIMENSIONS				
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.059	.067	1.50	1.70	
В	.043	.051	1.10	1.30	
С	.030	.033	0.75	0.85	
D	.001	.003	0.01	0.07	
Е	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	
G	.020	.028	0.50	0.70	
Н	.020	.031	0.51	0.77	







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

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse stand-off voltage	V_{RWM}				5.0	V
Reverse Breakdown voltage	V_{BR}	I _t = 1mA	5.6	6.7	7.8	V
Reverse Leakage Current	I _R	V _{RWM} = 5V T=25°C			1.0	μA
Junction Capacitance	C _j	V _R =0V f = 1MHz		32		pF

Typical Characteristics

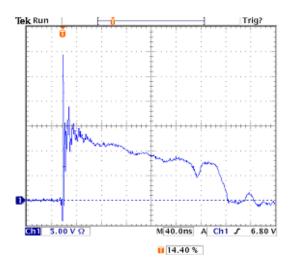


Figure 3. Positive 8 kV Contact per IEC 6100-4-2

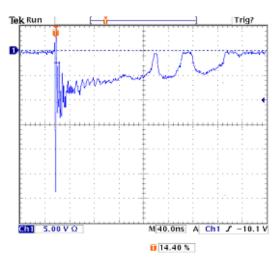


Figure 4. Negative 8 kV Contact per IEC 6100-4-2



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Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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