



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth

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Features

- Halogen free available upon request by adding suffix "-HF"
- Low reverse clamping voltage
- Excellent clamping capability
- Low leakage
- ESD rating of class 3(>16KV)per Human Body Mode
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: ZY

Maximum Ratings

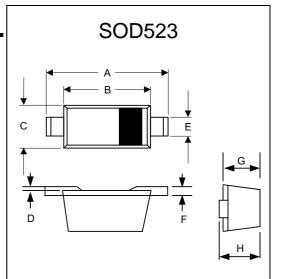
Operating Junction &StorageTemperature: -55°C to +150°C

Parameter		Symbol	Limits	unit	
IEC61000-4-2(ESD)	Air	V _{ESD} ⁽¹⁾	±25	KV	
	Contact	VESD	±25		
ESD Voltage per human bo	V _{ESD} ⁽¹⁾	16	K۷		
per machine mode		VESD	400	V	
Peak Pulse Power		Ppp ⁽²⁾	330	W	
Peak Pulse Current		Ipp ⁽²⁾	7.5	Α	

- (1). Device stressed with ten non-repetitive ESD pulses.
- (2).Non-repetitive current pulse 8/20µs exponential decay waveform according to IEC61000-4-5.

ESD24VD5

24Volts ESD Protection Devices

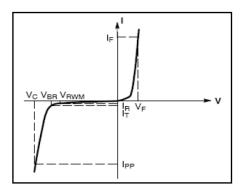


DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.059	.067	1.50	1.70	
В	.043	.051	1.10	1.30	
O	.030	.033	0.75	0.85	
D	.001	.003	0.01	0.07	
Е	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	
Ð	.020	.028	0.50	0.70	
Н	.020	.031	0.51	0.77	



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

Symbol	meter	
Vc	Clamping Voltage @ I _{PP}	
I _{PP}	Peak Pulse Current	
V_{BR}	Breakdown Voltage @ I _T	
I _T	Test Current	
I _R	Reverse Leakage Current @ V _{RWM}	
V _{RWM}	Reverse Standoff Voltage	
V _F	Forward Voltage@ I _F	
I _F	Forward Current	



V-I characteristics for a uni-directional TVS

ELECTRICAL CHARACTERISTICS ($T_A = 25^{\circ}C$ unless otherwise noted, $V_F = 0.9 \text{ V Max.} \ \textcircled{0} \ I_F = 10 \text{mA}$ for all types)

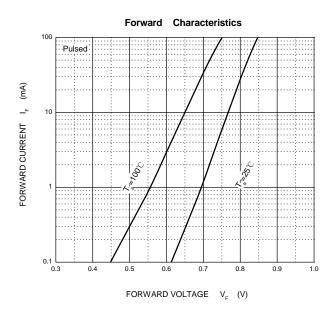
Parameter	mbol	Test conditions	Min	Тур	Max	Unit
Reverse stand off voltage	V _{RWM} (1)				24	V
Reverse leakage current	I _R	V _{RWM} =24V			1	μΑ
Breakdown voltage	$V_{(BR)}$	I _T =1mA	26.7		33	V
Clamping voltage	V _C (2)	I _{PP} =7.5A			44	V
Forward voltage	V _F	I _F =10mA			0.9	V
Junction capacitance	Сл	V _R =0V,f=1MHz		36		pF

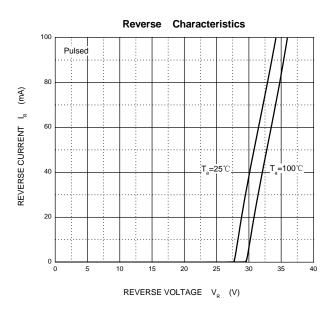
^{(1).} Other voltages available upon request.

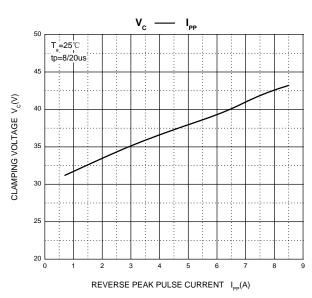
^{(2).}Non-repetitive current pulse 8/20µs exponential decay waveform according to IEC61000-4-5

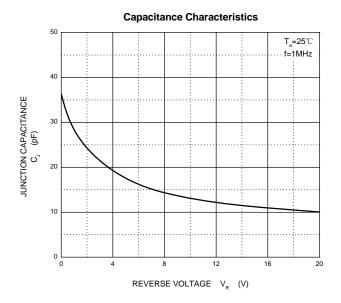


Typical Characteristics











Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 8Kpcs/Reel

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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