

ESD Suppressor

24V Bi-Directional SOD-523

MEP241B3A0S523

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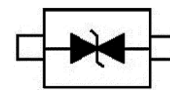
FEATURE

- Bi-Directional Configurations
- Low Clamping Voltage and Leakage Current
- Application: Portable Video Players and Devices, PLC and ADC Surge Protection, Smart Distribution System.



MECHANICAL DATA

- Case: Molded Plastic, SOD-523 Package
- Terminals : Solderable per MIL-STD-750, Method 2026



MAXIMUM RATINGS

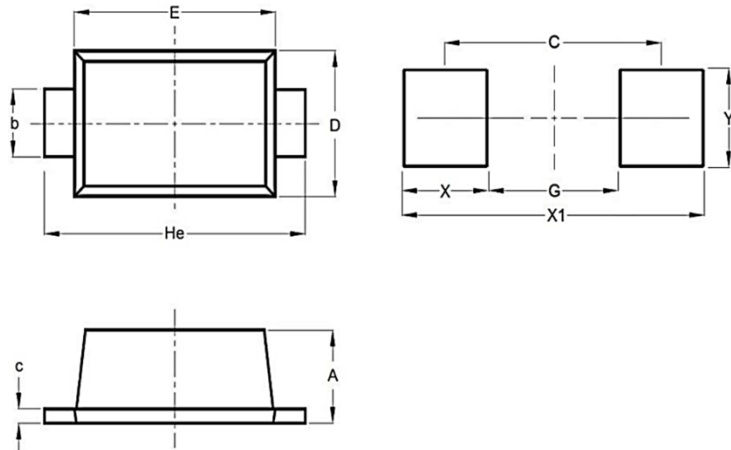
Parameter	Symbol	Value	Unit
Peak Pulse Power (tp = 8/20μs waveform)	P _{PP}	120	W
ESD Discharge Voltage	V _{ESD}	25	KV
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS

Parameter	Conditions	Symbol	Min	Typ.	Max	Units
Reverse Stand-off Voltage	--	V _{RWM}	-	-	24	V
Reverse Breakdown Voltage	I _{BR} =1mA	V _(BR)	26.7	-	-	V
Reverse Leakage Current	V _{RWN} =24V	I _R	-	-	5	μA
Clamping Voltage (tp=8/20μs)	I _{PP} =3A	V _C	-	-	32	V
Off State Junction Capacitance	V _{dc} =0, f=1MHz	C _J	-	-	25	pF

DIMENSIONS

Item	Min (mm)	Max (mm)
A	0.55	0.65
b	0.25	0.35
c	0.05	0.15
D	0.75	0.85
E	1.15	1.25
He	1.50	1.70
C	1.47	
G	0.94	
X	0.53	
X1	2.00	
Y	0.50	



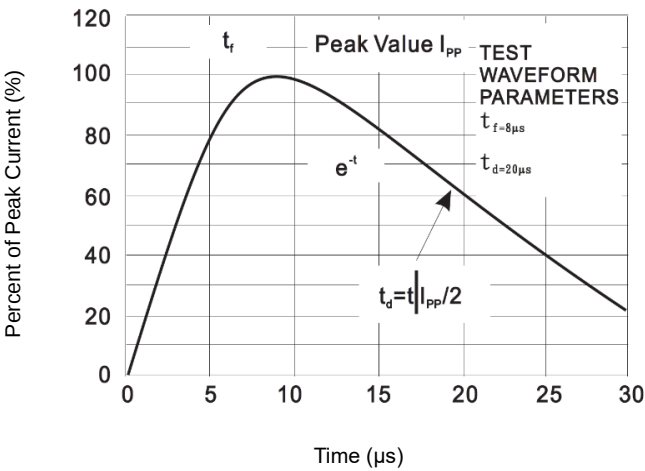
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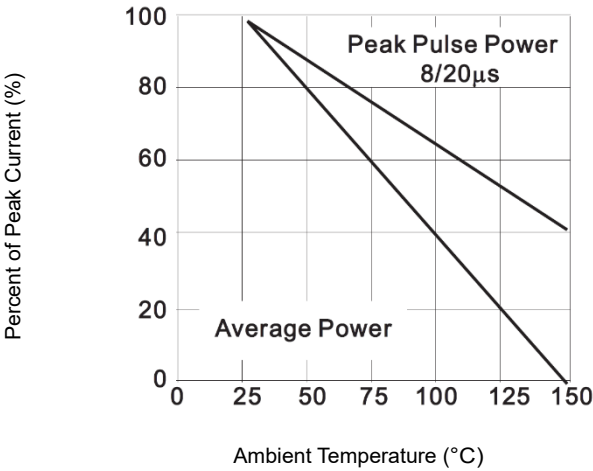
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CHARACTERISTIC CURVES

Pulse Wave Form



Power Derating Curve



Peak Pulse Power vs Pulse Duration

