

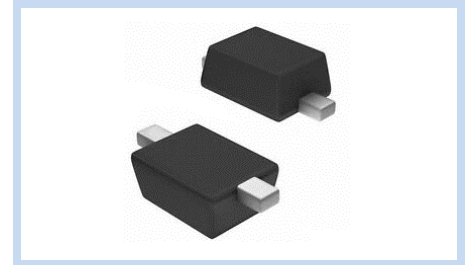
ESD Suppressor 15V Bidirectional SOD-323F

ME151B24S323F

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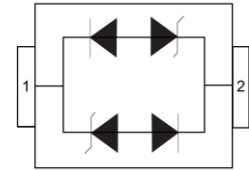
FEATURE

- IEC 61000-4-2 ESD: $\pm 30\text{KV}$ (Air) $\pm 30\text{KV}$ (Contact)
- IEC 61000-4-4 EFT: 40A (5/50ns)
- ESD Protection for One Bidirectional Channel
- Low Clamping Voltage
- Ultra Low Capacitance: 3pF Max



APPLICATION

- Cellular Handsets & Accessories
- Personal Digital Assistants (PDAs)
- Notebooks & Handhelds
- Cordless Phones
- Peripherals
- MP3 players



MAXIMUM RATINGS AND CHARACTERISTICS

Parameter	Symbol	Value	Unit
Peak Pulse Power (tp=8/20 μ s)	P _{PP}	350	W
ESD Voltage (Contact discharge)	V _{ESD}	± 30	KV
ESD Voltage (Air discharge)		± 30	
Operating and Storage Temperature Range	T _J , T _{STG}	-55~+150	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS

Parameter	Condition	Symbol	Min.	Typ.	Max.	Unit
Reverse Stand-Off Voltage	--	V _{RWM}	--	--	15	V
Reverse Breakdown Voltage	I _{BR} =1mA	V _{BR}	17.39	--	19.22	V
Reverse Leakage Current	V _R =15V	I _R	--	--	1	μA
Clamping Voltage	I _{PP} =1A, tp=8/20 μ s	V _C	--	--	24	V
Off State Junction Capacitance	V _{dc} =0, f=1MHz	C _J	--	--	3	pF

Notes: T_J= 25 $^{\circ}\text{C}$ unless otherwise specified

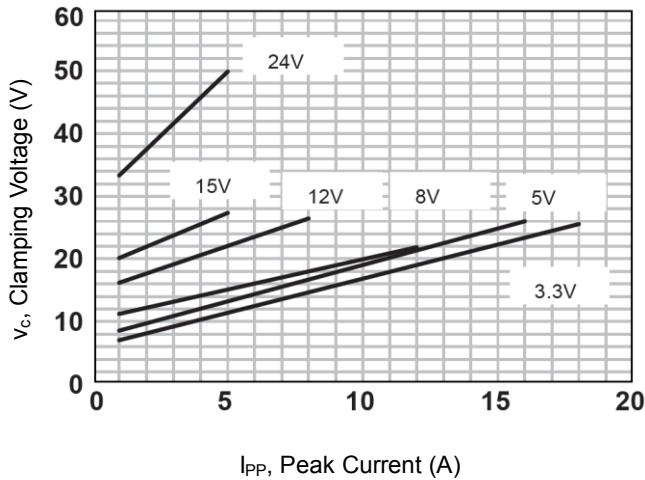
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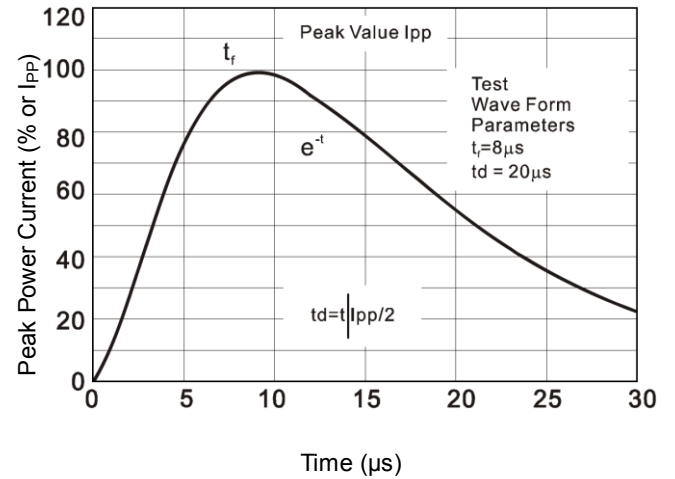
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CHARACTERISTIC CURVES

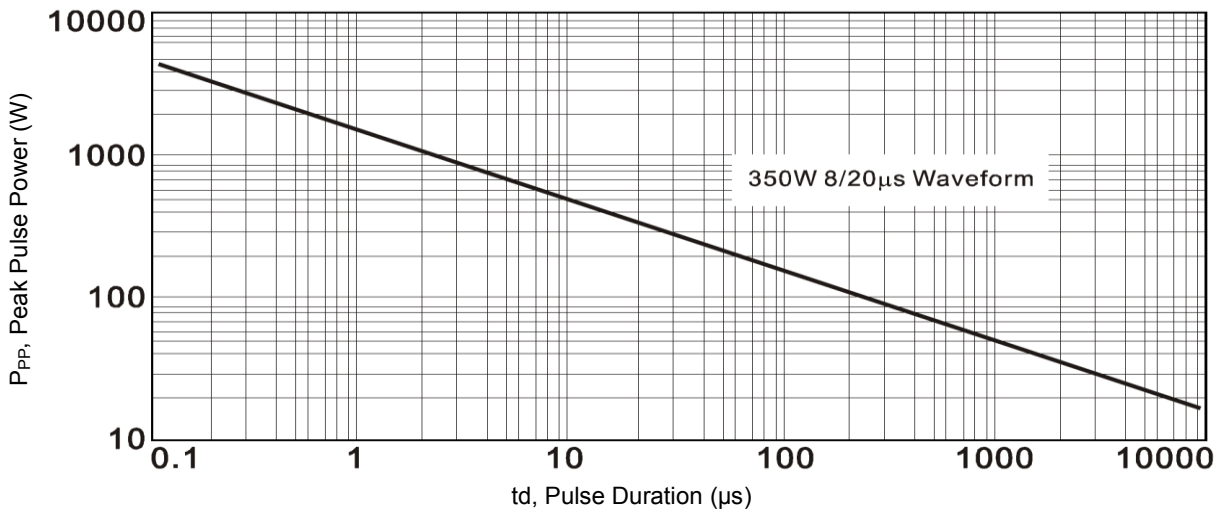
Typical Peak Clamping Voltage (8/20 μ s)



Pulse Waveforms



Peak Pulse Power Vs Pulse Time



*Specifications subject to change without notice.