



Micro Commercial Components



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20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

ESD15VD5

5Volts
ESD Protection
Devices

Features

- Halogen free available upon request by adding suffix "-HF"
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Ultra low leakage: nA level
Low clamping voltage
Protects one line
Operating voltage:15V

Maximum Ratings

- Operating Junction Temperature :-55°C to +125°C
Storage Temperature: -55°C to +150°C

Table with 5 columns: Parameter, Symbol, Limits, unit. Rows include IEC61000-4-2(ESD) Air Contact, Peak Pulse Power, and Peak Pulse Current.

Electrical Characteristics (TA=25°C unless otherwise specified)

Table with 6 columns: Parameter, Symbol, Min, Max, Unit, Test Condition. Rows include Reverse Working Voltage, Breakdown Voltage, Reverse Leakage Current, Clamping Voltage, and Junction Capacitance.

Marking: 15E

SOD523

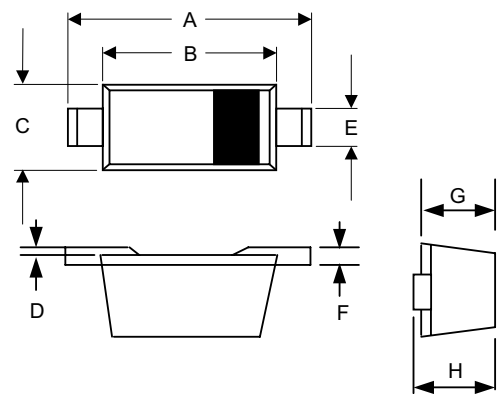
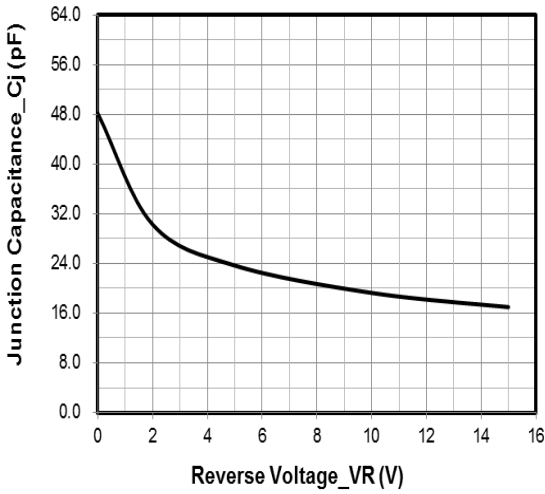
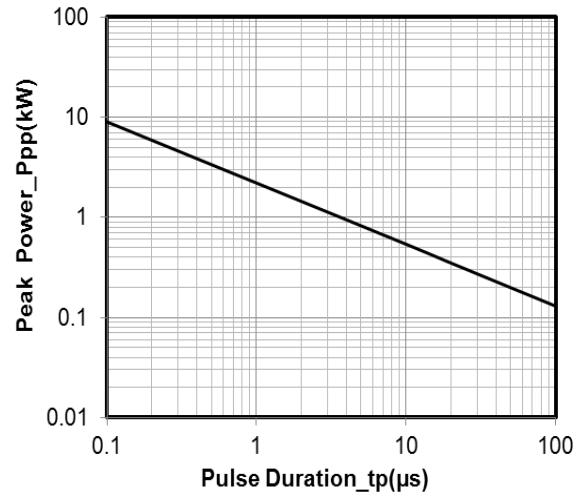


Table titled DIMENSIONS with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A through H.

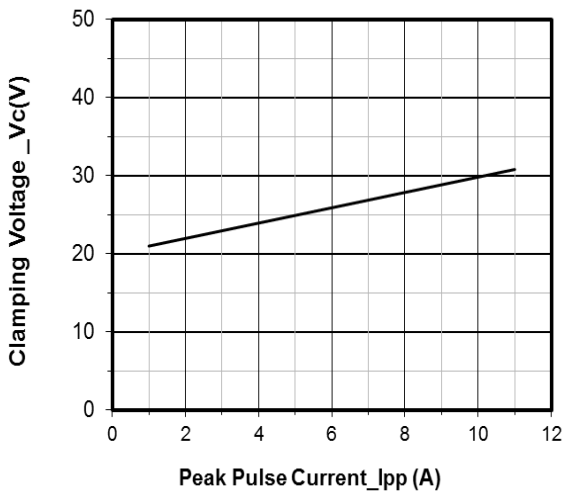
Typical Performance Characteristics (T_A=25°C unless otherwise Specified)



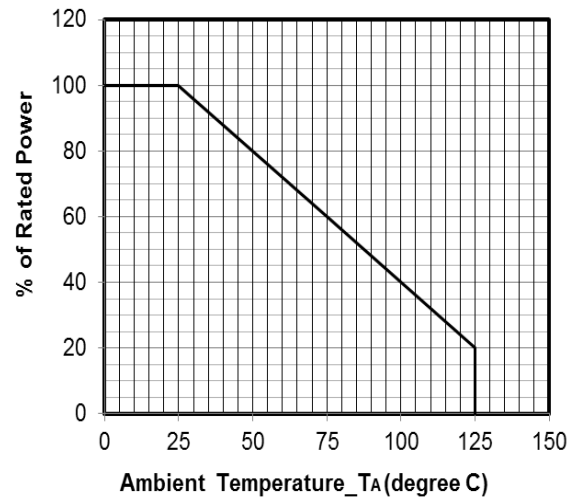
Junction Capacitance vs. Reverse Voltage



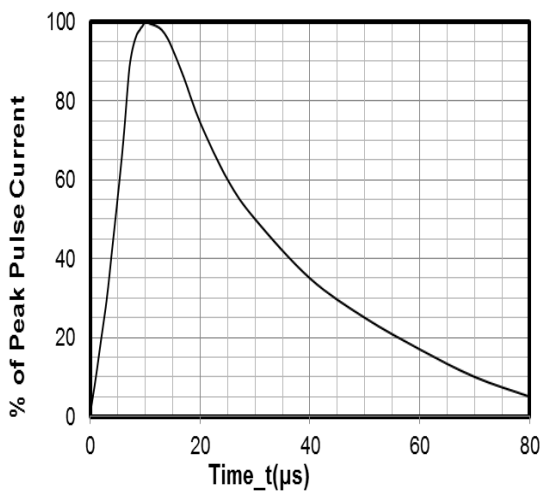
Peak Pulse Power vs. Pulse Time



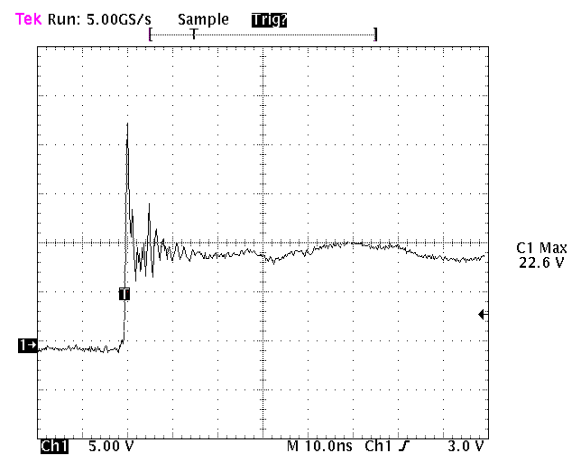
Clamping Voltage vs. Peak Pulse Current



Power Derating Curve



8 X 20μs Pulse Waveform



Note: Data is taken with a 10x attenuator

ESD Clamping Voltage

+8 kV Contact per IEC61000-4-2



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Ordering Information :

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

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

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