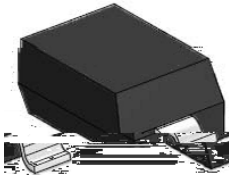
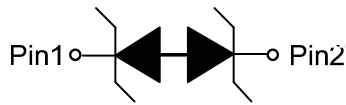


1- Line, Bi-directional, ESD protection diode



SOD-323

Features

- Transient protection for each line according to IEC61000-4-2(ESD): $\pm 30\text{kV}$ contact, $\pm 30\text{kV}$ air IEC61000-4-5:10A($t_p=8/20\mu\text{s}$)
- Low leakage current
- Ultra low clamping voltage
- RoHS Compliant
- Part no. with suffix "Q" means AEC-Q101 qualified

Applications

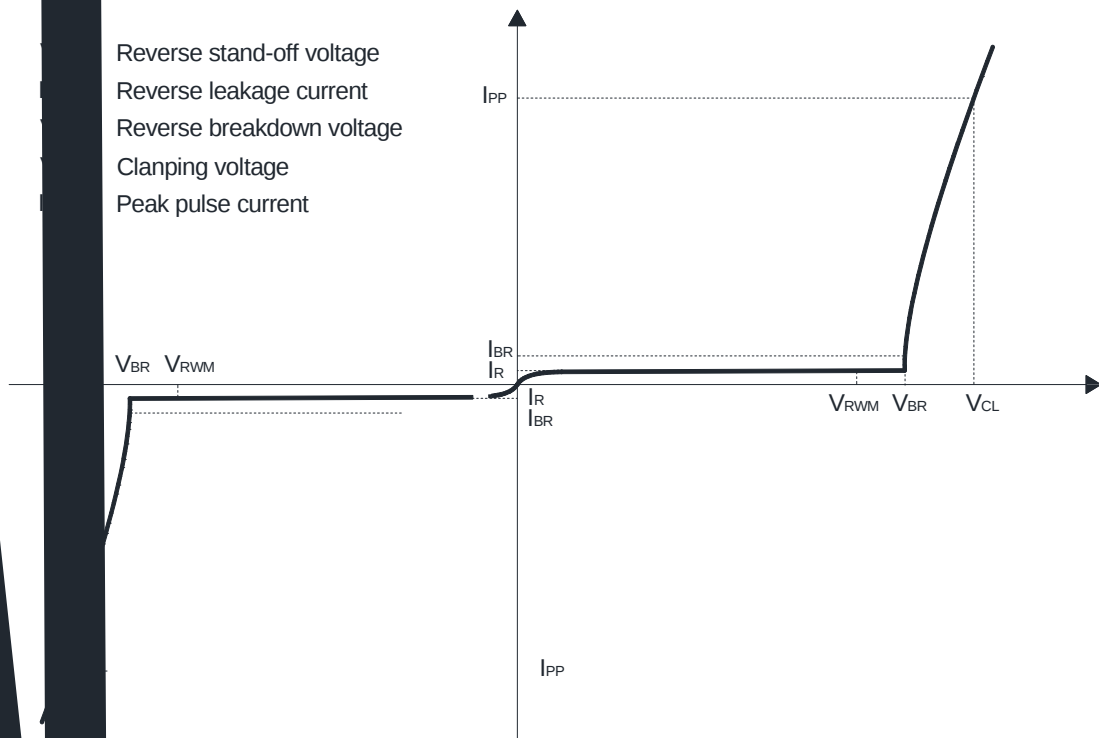
- Switches / Buttons
- Test Equipment/Instrumentation
- Point-of-Sale Terminals
- Medical Equipment
- Notebooks / Desktops / Servers
- Computer Peripherals
- CAN Bus protection
- Automotive applications

Mechanical Data

- Package: SOD-323
- Lead Finish: Matte Tin
- Case Material: "Green" Molding Compound
- Moisture Sensitivity: Level 1 per J-STD-020

Conditions of electrical characteristics

Reverse stand-off voltage
Reverse leakage current
Reverse breakdown voltage
Clamping voltage
Peak pulse current





ESD12VD3BQ

■Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
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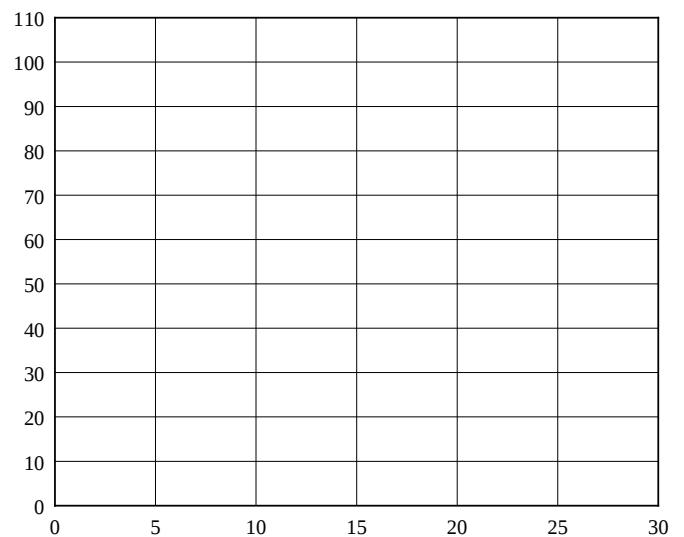
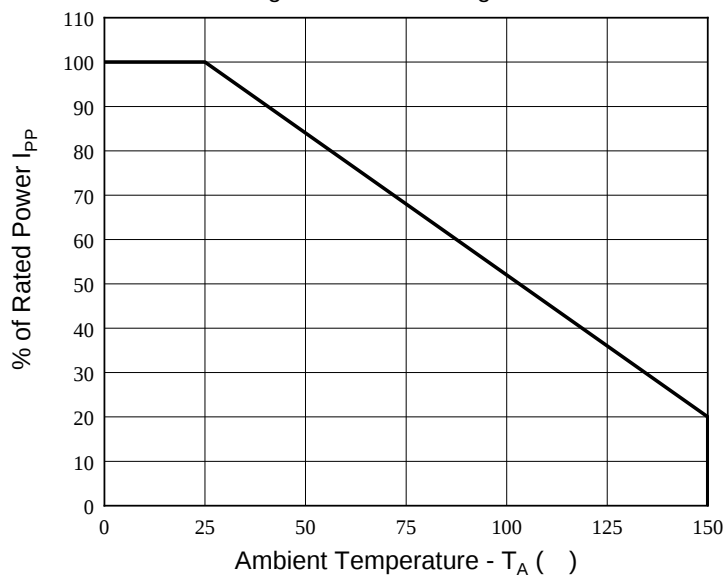
Peak pulse power ($t_p = 8/20\mu s$)

P_{pk}



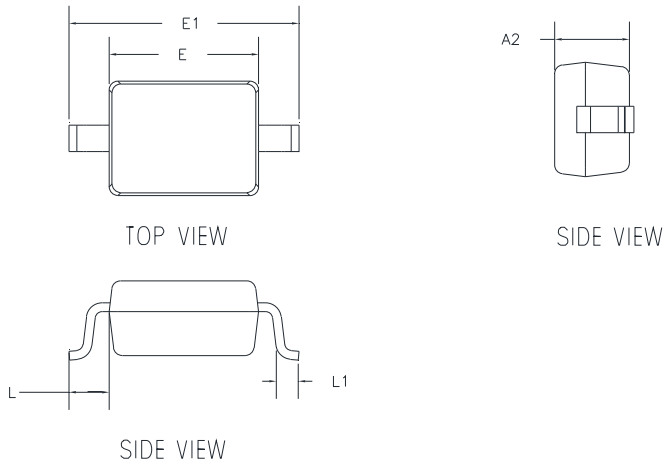
■ Characteristics (Typical)

Fig.3: Power Derating Curve

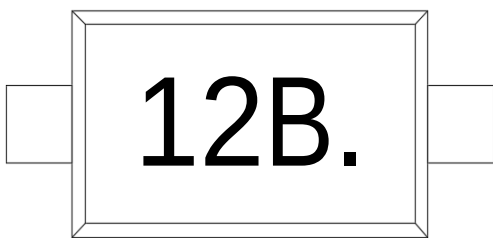




■ Outline Dimensions



■ Marking Information



Note:

1. All marking is at middle of the product body
2. All marking is in laser marking
3. Body color: Black

(6 ' 9 ' % 4
