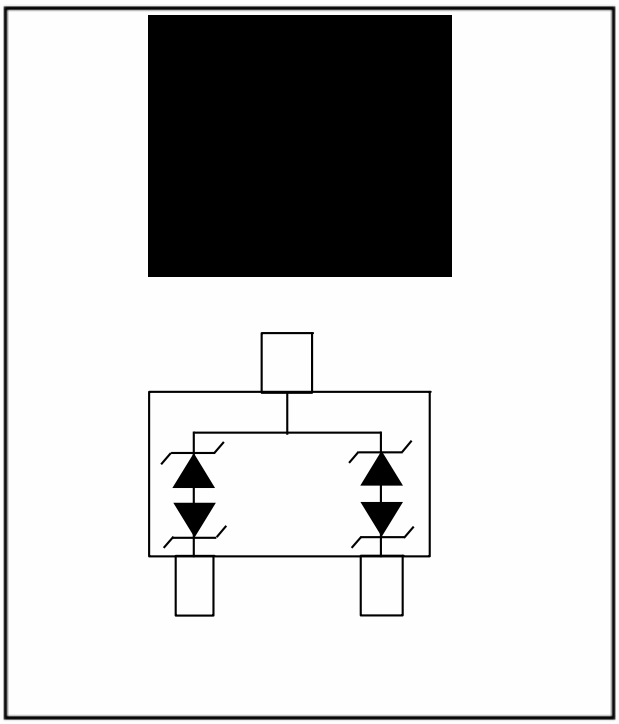
2- Line, Bi-directional, ESD protection diode



Features

- Transient protection for each line according to
  IEC61000-4-2(ESD): ±16kV contact, ±16kV air
  IEC61000-4-5:3A(tp=8/20μs)
- Low leakage current
- Ultra low clamping voltage
- RoHS Compliant
- Part no. with suffix “Q” means AEC-Q101 qualified

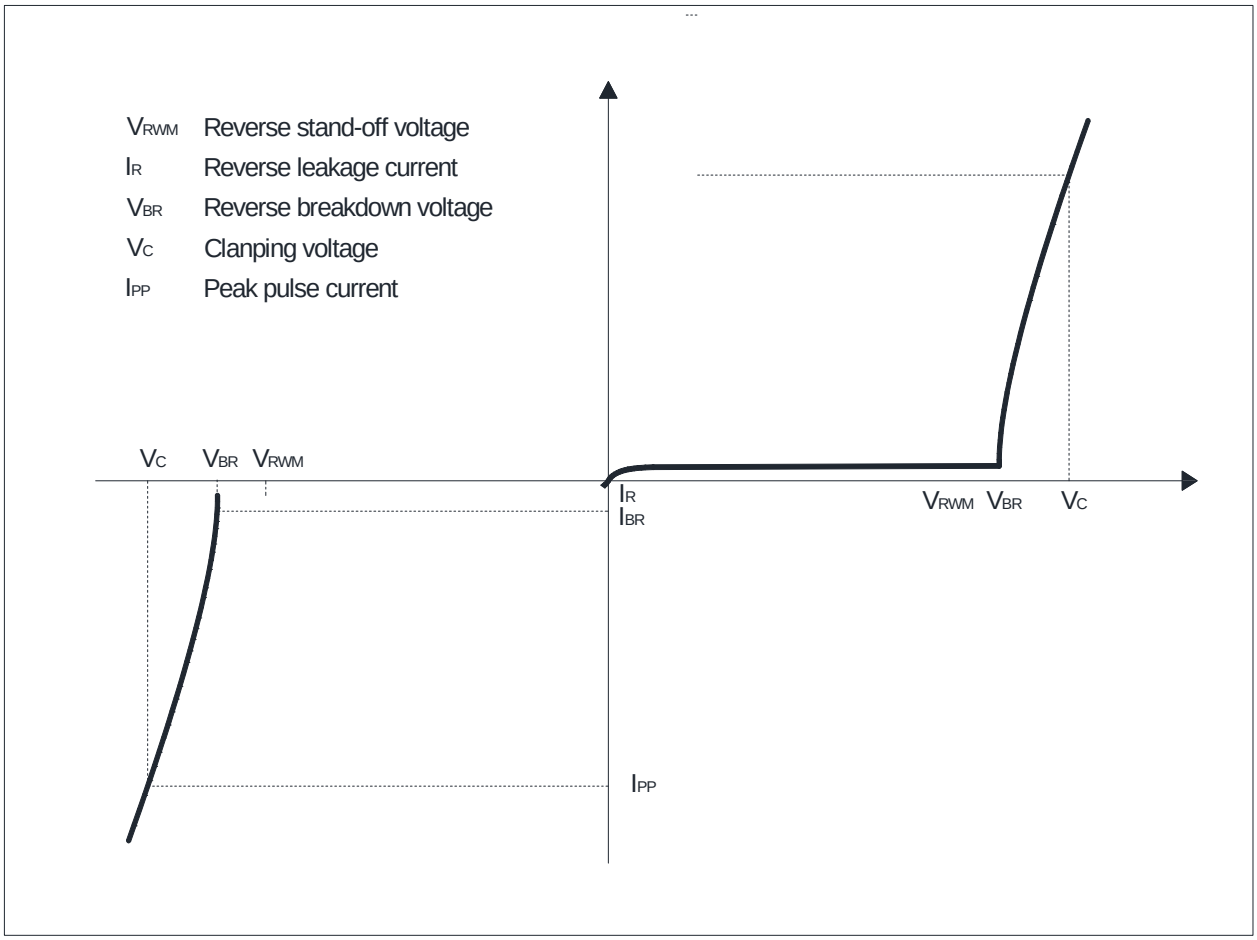
Applications

- Vehicle domain controller ,VCU electrostatic protection
- Electrostatic protection for automotive electronic multimedia interface
- CAN Bus protection
- Automotive applications

Mechanical Data

- Package: SOT-23
- Lead Finish: Matte Tin
- Case Material: “Green” Molding Compound
- Moisture Sensitivity: Level 1 per J-STD-020

■Definitions of electrical characteristics



■ Characteristics (Typical)

Fig.1: 8/20μs Pulse Waveform

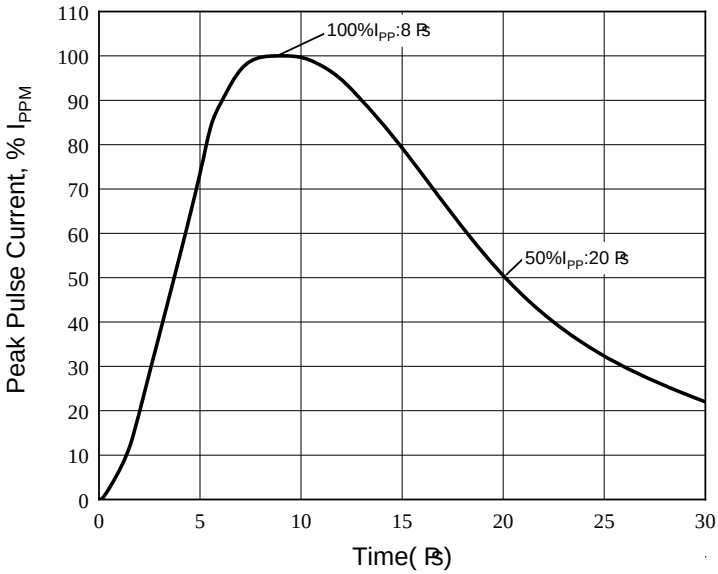
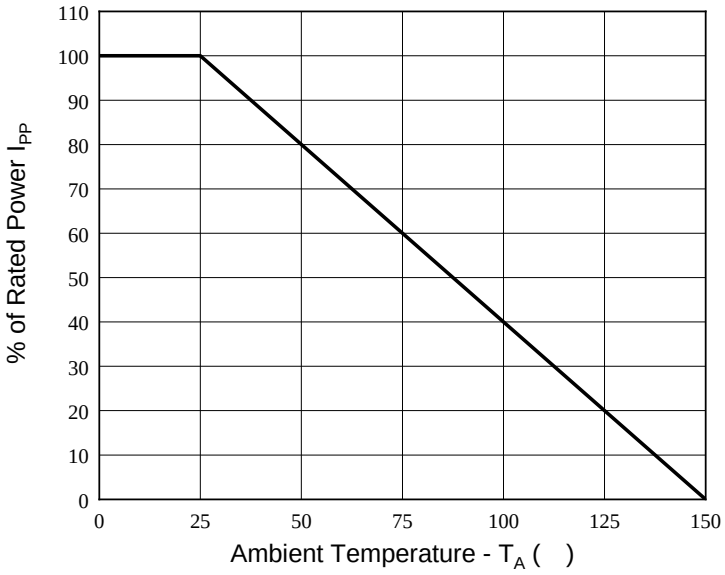
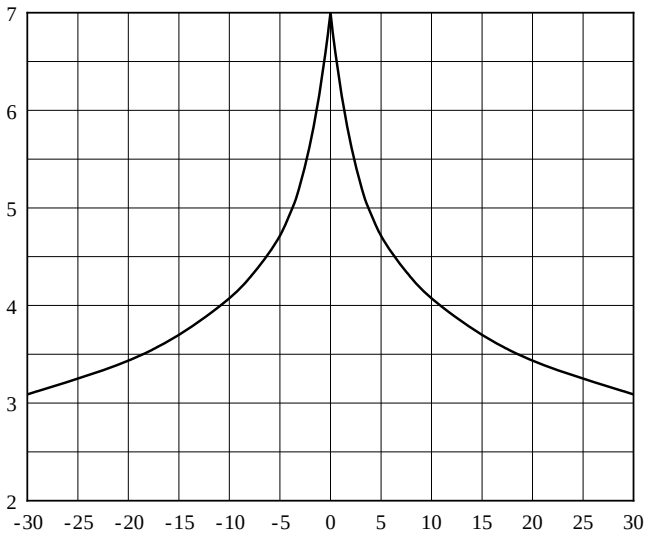


Fig.3: Power Derating Curve





■ Outline Dimensions

■ Marking Information

36BS.

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

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

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