Technical Data *Green Products*

Data Sheet N1612, Rev. -

4SODJ36A Transient Voltage Suppressor

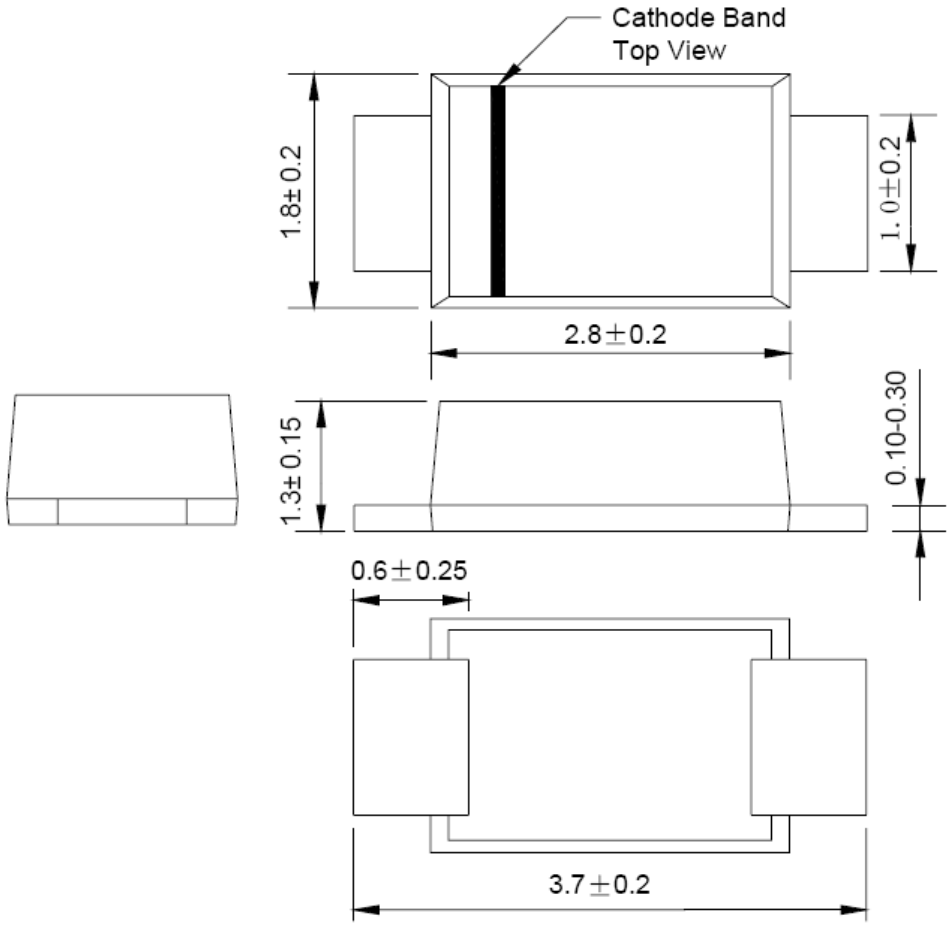
Applications

- **Power supply protection**
- **Automotive application**
- **Industrial application**
- **Power management**

Features

- **Rated peak pulse power: P_{PPM} = 400 W**
- **Small plastic package suitable for surface-mounted design**
- **Reverse standoff voltage range: V_{RWM} = 36V**
- **Reverse current: I_{RM} = 0.001 mA**
- **AEC-Q101 qualified**
- **This is a Pb − Free Device**
- **All SMC parts are traceable to the wafer lot**
- **Additional testing can be offered upon request**

Mechanical Dimensions In mm



SOD-123FL

Marking Diagram:

AU = Device Code

Cautions: Molding resin
Epoxy resin UL: 94V-0

Ordering Information

Device	Package	Shipping
4SODJ36A	SOD-123FL (Pb-Free)	3000pcs / reel

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Peak Pulse Power Dissipation at T_A=25°C by 10x1000μs Waveform	P_{PPM}	400	W
Peak Forward Surge Current, 8.3ms Single Half Sine Wave	I_{FSM}	50	A
Operating Junction and Storage Temperature Range	T_J,T_{STG}	-55 to 150	°C

Electrical Characteristics @T_A=25°C unless otherwise specified

Part Number (Uni)	Device Code	Reverse Stand-off Voltage (V_R) (V)	Breakdown Voltage @ IT (V_{BR}) (Volts) MIN	Breakdown Voltage @ IT (V_{BR}) (Volts) MAX	Test Current (I_T) (mA)	Max Clamping Voltage @ IPP (Vc) (V)	Peak Pulse Current (I_{pp}) (A)	Reverse leakage @ V_R (I_R) (μA)
4SODJ36A	AU	36.0	40.00	44.20	1	58.1	6.9	0.1

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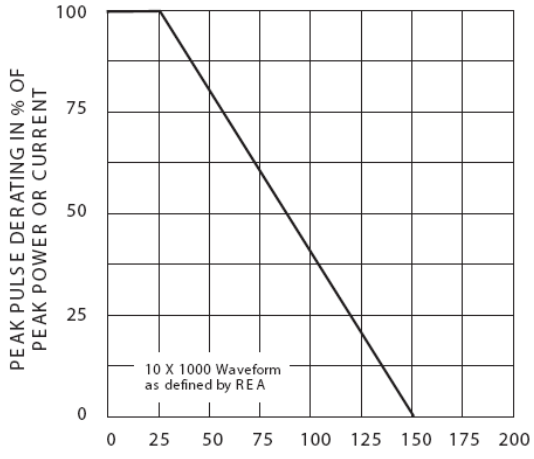

Fig. 1 Pulse Derating Curve

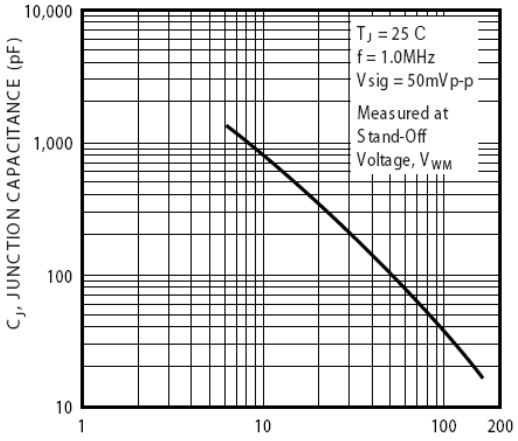

Fig. 2 Typical Junction Capacitance

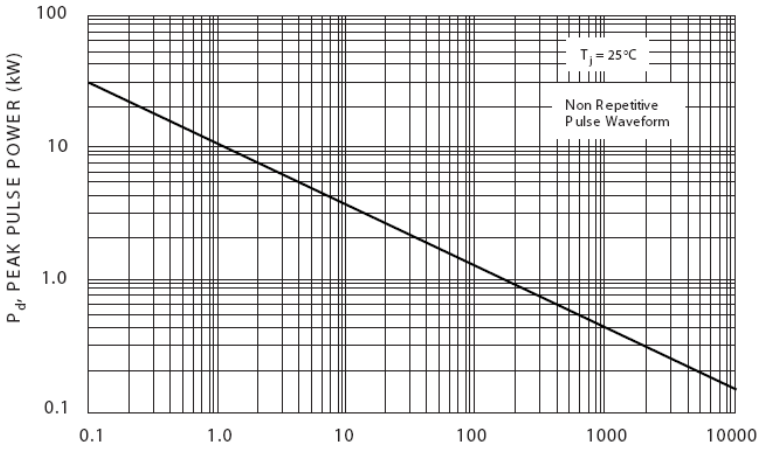

Fig. 3 Pulse Rating Curve

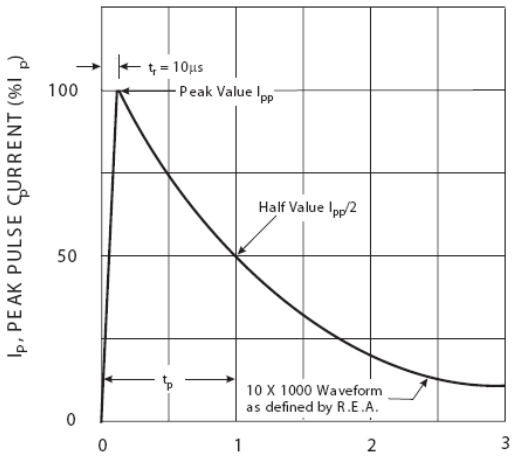

Fig. 4 Pulse Waveform

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