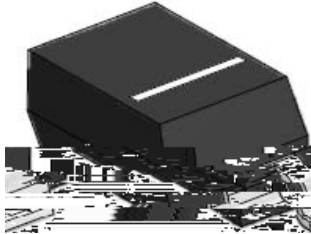
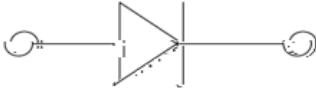


High Speed Switching Diode

Features

- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- V_{RRM} 75V
- I_{FAV}



Applications

- Extreme fast switches
- Automotive

Mechanical Data

- **Case:** SOD323
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** T5

SOD323

■ Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	CONDITIONS	VALUE
Repetitive Peak Reverse Voltage	V_{RRM}	V		75
Peak Forward Surge Current	I_{FSM}	A	Pulse width $\approx 1\mu s$	2
Average Forward Current	I_{FAV}	mA		250
Power Dissipation	P_{tot}	mW		200
Thermal Resistance	R_{thJA}	K/W		625
Junction Temperature	T_j			-55 to +150
Storage Temperature Range	T_{stg}			-55 to +150



1N4448WSQ

■ Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL
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1N4448WSQ

■ Characteristics (Typical)

Fig.1: P_D-T_A

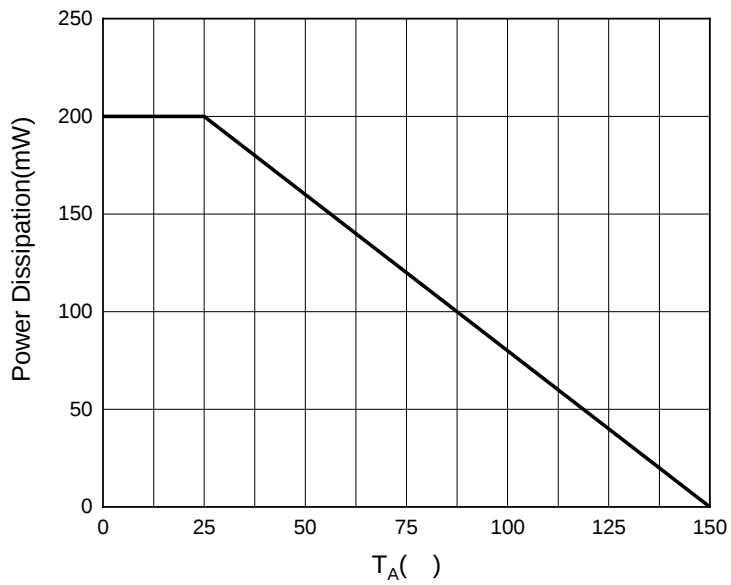


Fig.2: Capacitance Characteristics

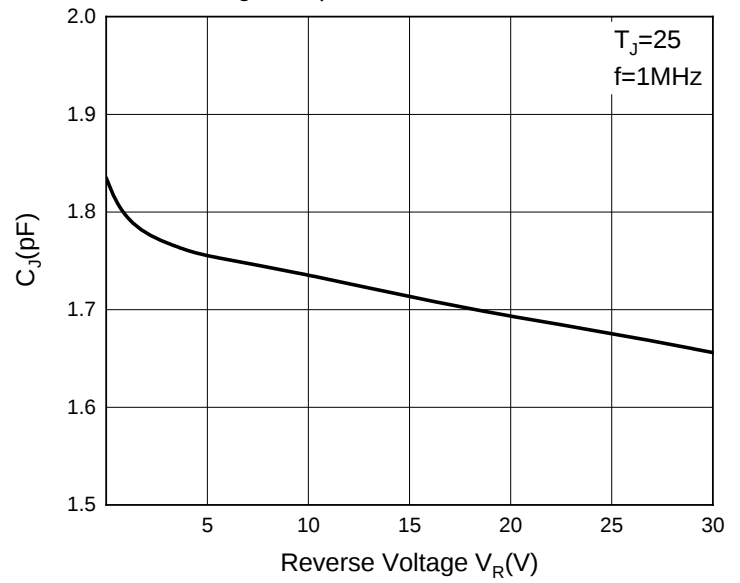


Fig.3: Forward Characteristics

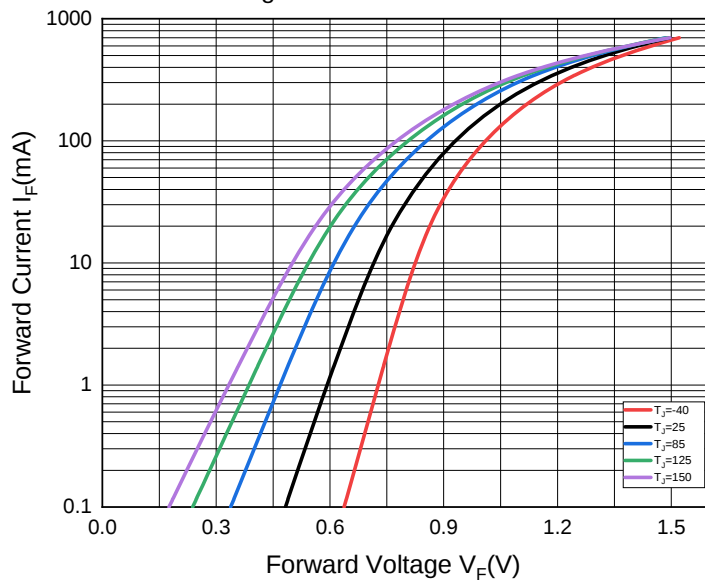
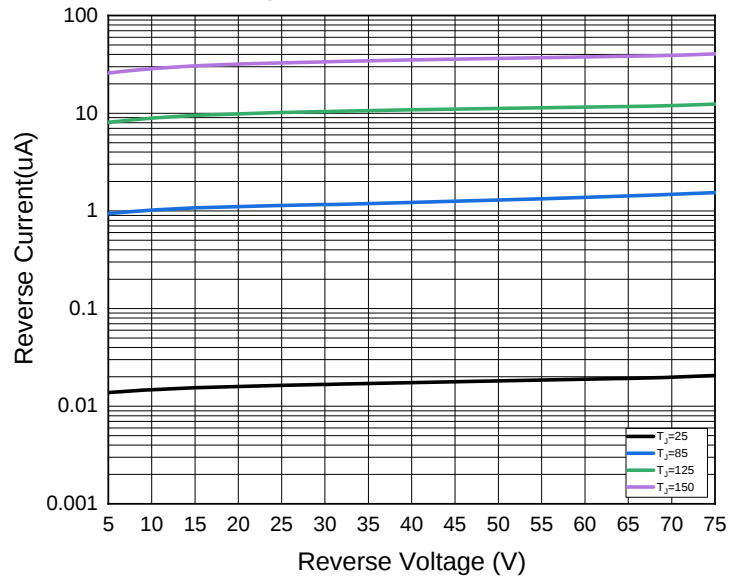


Fig.4: Reverse Characteristics





■ Outline Dimensions

■ Marking Information





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