

Features

- Low leakage
- Low forward voltage drop
- High current capability
- High forward surge current capability
- Open junction



Axial Lead Button

Mechanical Data

- Case: transfer molded plastic
- Polarity: color ring denotes cathode
- Lead: plated lead, solderable per MIL-STD-202E method 208°C
- Mounting position: Any

Absolute Maximum Ratings (T_A=25°C unless otherwise noted)

Parameters	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	1000	V
Maximum Average Rectified Forward Current at T _C =110°C	I _O	35	A
Peak Forward Surge Current 8.3mS Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	420	A
Typical Thermal Resistance	R _{θJC}	1	°C/W
Operating and Storage Temperature	T _J , T _{STG}	-50 to +150	°C

Electrical Characteristics (T_A=25°C unless otherwise noted)

Maximum Instantaneous Forward Voltage Drop @ I _F =100A	V _F	1.25	V
Maximum DC Reverse Current	I _R	2	uA
TA=25°C @ Rated DC Blocking Voltage TA=150°C @ Rated DC Blocking Voltage		300	

Note: Single phase, half wave, 60Hz, resistive or inductive load For capacitive load derate current by 20%

Package Outline Dimensions

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