

XY448

**SINTERED GLASS JUNCTION
AVALANCHE RECTIFIER**

VOLTAGE:1200V

CURRENT: 2.0A



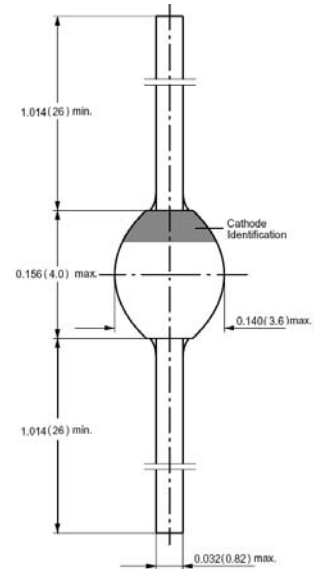
FEATURE

Glass passivated
High maximum operating temperature
Low leakage current
Excellent stability

MECHANICAL DATA

Case: SOD-57 sintered glass case
Terminal: Plated axial leads solderable per MIL-STD 750,
method 2026
Polarity: color band denotes cathode end
Mounting position: any

SOD-57



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	XY448	units
Maximum Repetitive Peak Reverse Voltage	V _{rrm}	1200	V
Maximum RMS Voltage	V _{rms}	840	V
Maximum DC blocking Voltage	V _{dc}	1200	V
Maximum Average Forward Rectified Current	I _{f(av)}	2.0	A
Non-Repetitive Peak Forward Surge Current at tp=10ms half sinewave	I _{fsm}	30.0	A
Maximum Instantaneous Forward Voltage at 2.0A	V _f	1.10	V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =150°C	I _r	5.0 150.0	μA
Typical Reverse Recovery Time (Note 1)	T _{rr}	1000	nS
Typical Thermal Resistance (Note 2)	R _{th(ja)}	100	K /W
Storage and Operating Junction Temperature	T _{stg} , T _j	-65 to +175	°C

Note:

1. Reverse Recovery Condition I_f =0.5A, I_r =1.0A, I_{rr} =0.25A
2. on PC with spacing 25mm