

Rectifying Diode

RR264M-400

■ Features

- Small power mold type.
- High reliability.

SOD-123

1

2

Top View



PIN DESCRIPTION

PIN	DESCRIPTION
1	Cathode
2	Anode

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	V_{RRM}	400	V
Forward current (DC)	I_F	1	A
Average Rectified Output Current *1	I_O	0.7	A
Forward Current Surge peak (60Hz 1 cyc)	I_{FSM}	25	A
Power Dissipation	P_D	200	mW
Junction Temperature	T_J	150	°C
Storage Temperature range	T_{stg}	-55 to +150	

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 0.7\text{ A}$			1.1	V
Reverse current	I_R	$V_R = 400\text{ V}$			10	μA

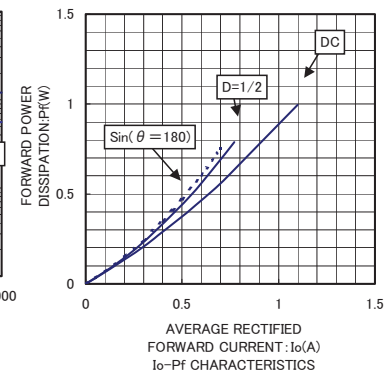
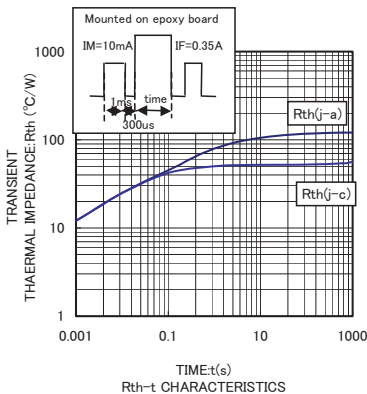
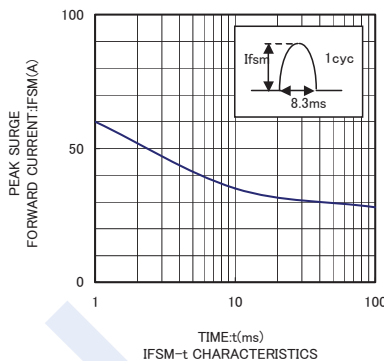
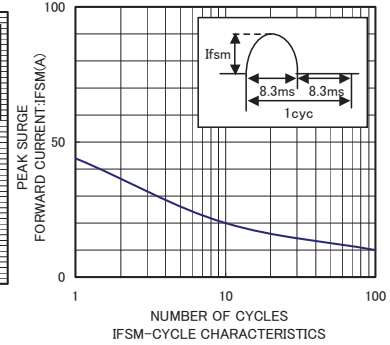
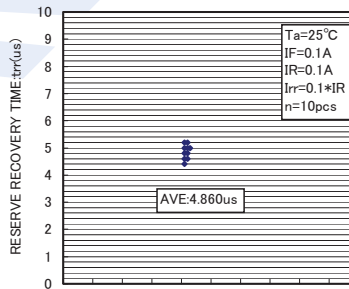
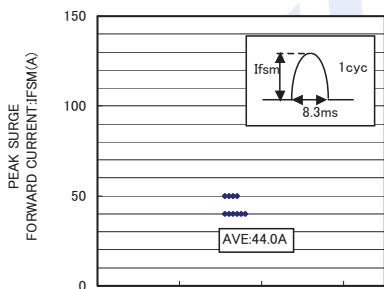
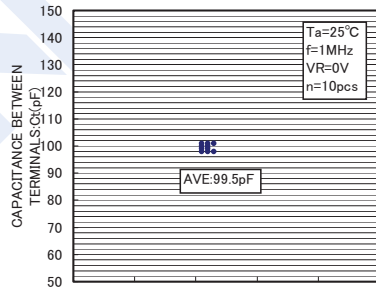
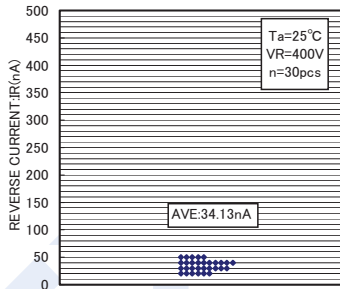
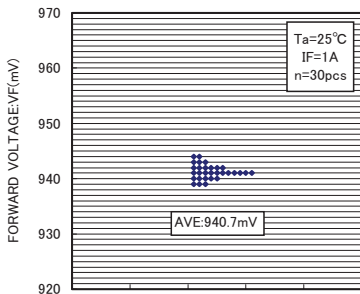
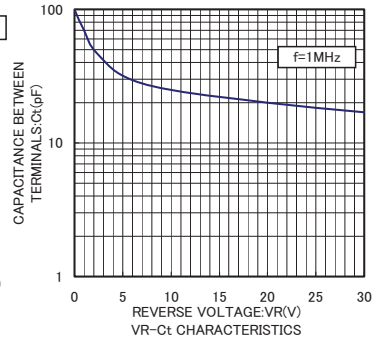
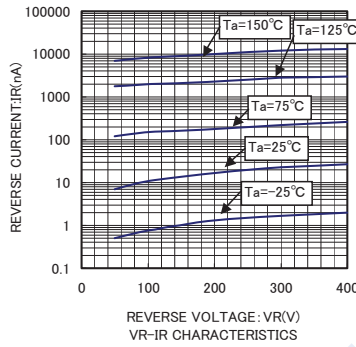
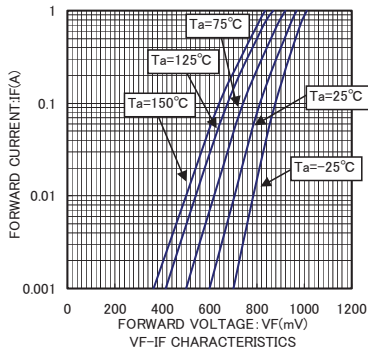
■ Marking

Marking	24
---------	----

Rectifying Diode

RR264M-400

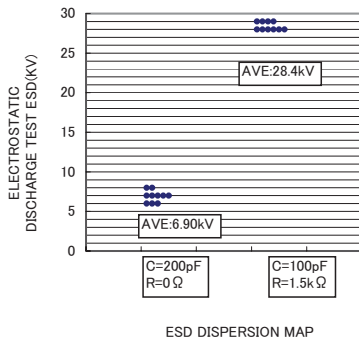
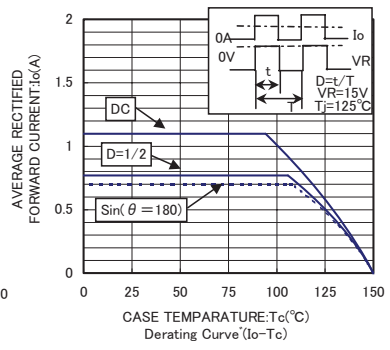
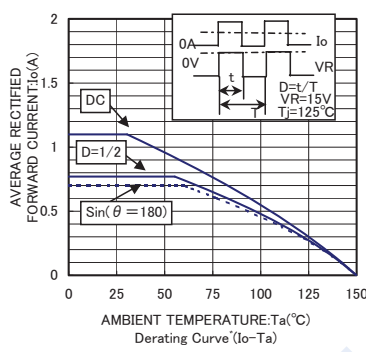
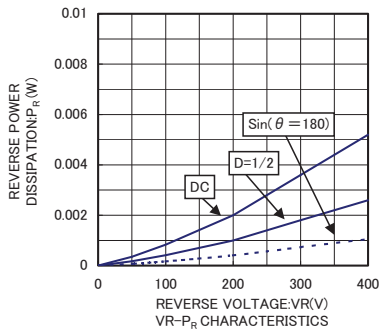
■ Typical Characteristics



Rectifying Diode

RR264M-400

Typical Characteristics



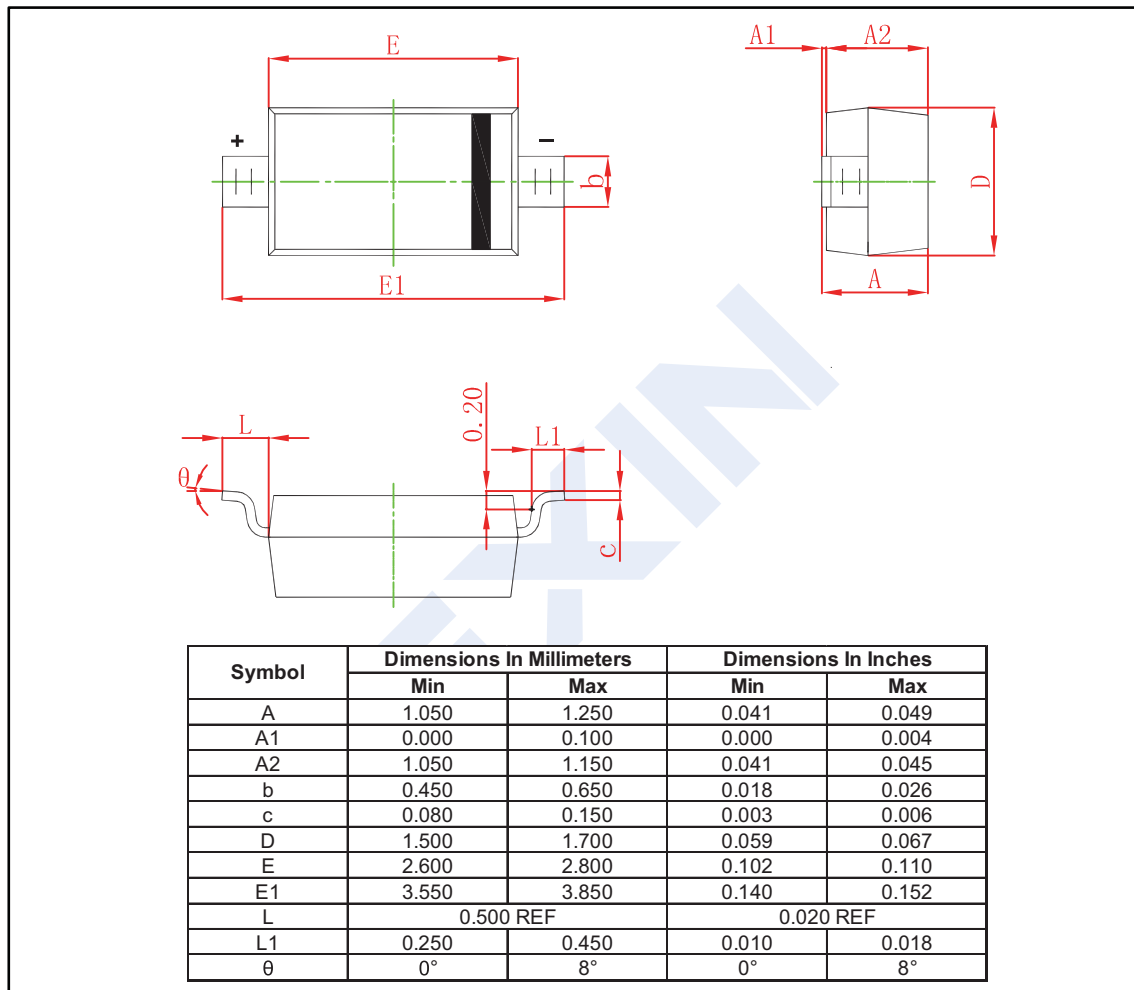
Rectifying Diode

RR264M-400

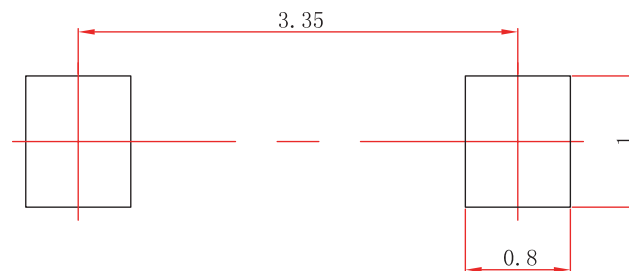
■ Package Outline Dimensions

Plastic surface mounted package; 2 leads

SOD-123



■ The Recommended Mounting Pad Size

**Note:**

1. Controlling dimension in millimeters.
2. General tolerance: $\pm 0.05\text{mm}$.
3. The pad layout is for reference purposes only.