Schottky barrier diode

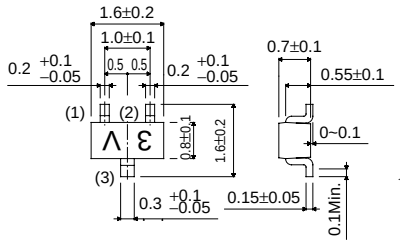
RB548W

●**Application**
Rectifying small power

●**Features**
1) Extra small mold type. (EMD3)
2) High reliability.

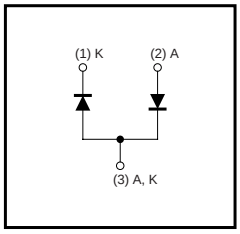
●**Construction**
Silicon epitaxial planer

●**External dimensions** (Units : mm)



ROHM : EMD3
EIAJ :
JEDEC :

●**Circuit**



●**Absolute maximum ratings** (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current *1	I_O	100	mA
Forward current surge peak *2	I_{FSM}	0.5	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	–40 to +125	°C

∗1 Rating of per diode
∗2 60Hz, 1cyc. Rating of per diode

●**Electrical characteristics** (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	–	–	0.450	V	I_F=10mA
Reverse current	I_R	–	–	0.5	μA	V_R=10V

∗Please pay attention to static electricity when handling.

●**Electrical characteristic curves** (Ta=25°C)

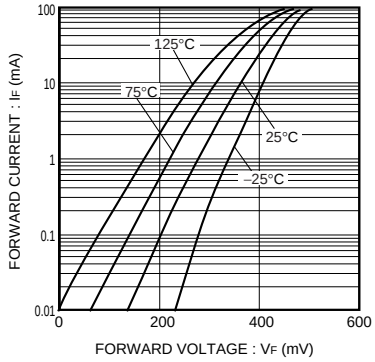


Fig. 1 Foward characteristics

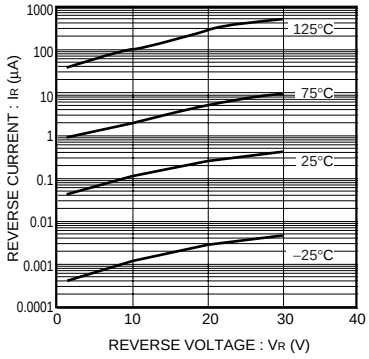


Fig. 2 Reverse characteristics

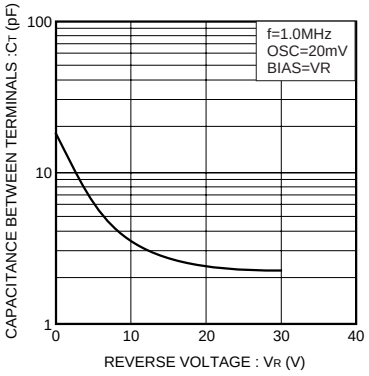


Fig. 3 Capacitance between terminals characteristics

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