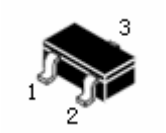
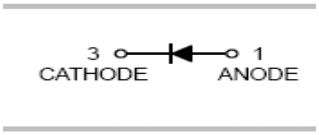
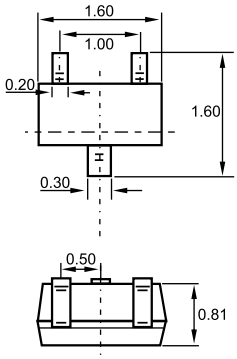
RB548W

Surface Mount Schottky Barrier Diodes





SOT-523



Dimensions in inches and (millimeters)

Features

- ✧ Ultra small mold type.
- ✧ Low I_R.
- ✧ High reliability.

Applications

- ✧ Low current rectification.

Ordering Information

Type No.	Marking	Package Code
RB548W	3V	SOT-523

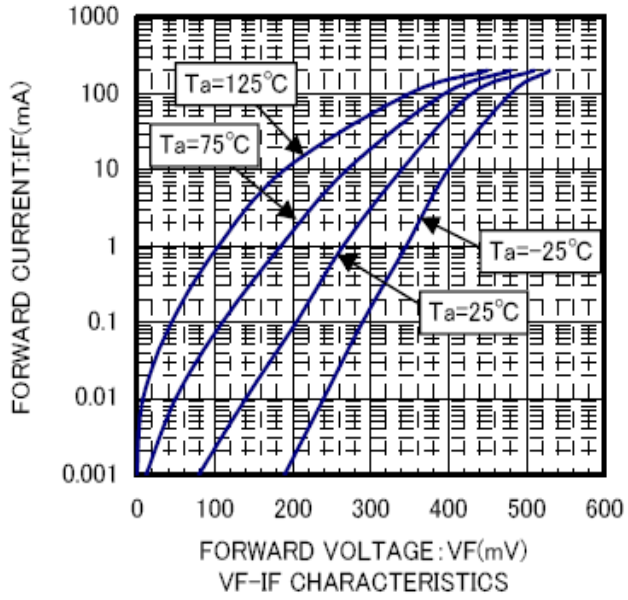
MAXIMUM RATING @ Ta=25℃ unless otherwise specified

Symbol	Parameter	Value	Units
V_R	DC reverse voltage	30	V
I_O	Average rectified current	100	mA
I_{FSM}	Forward current surge peak(60Hz.1cyc)	500	mA
P_d	Power dissipation	150	mW
T_j,T_{stg}	Junction and Storage Temperature	-40~125	℃

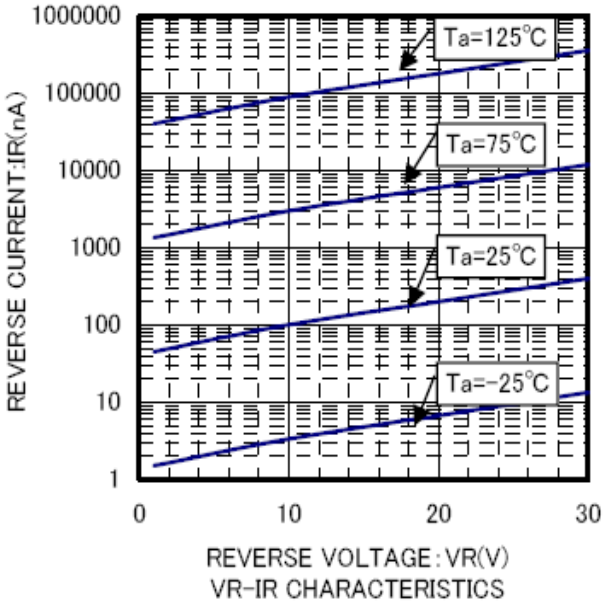
ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Leakage current	I_R	V_R=10V		0.5	μA
Forward voltage	V_F	I_F=10mA		0.45	V

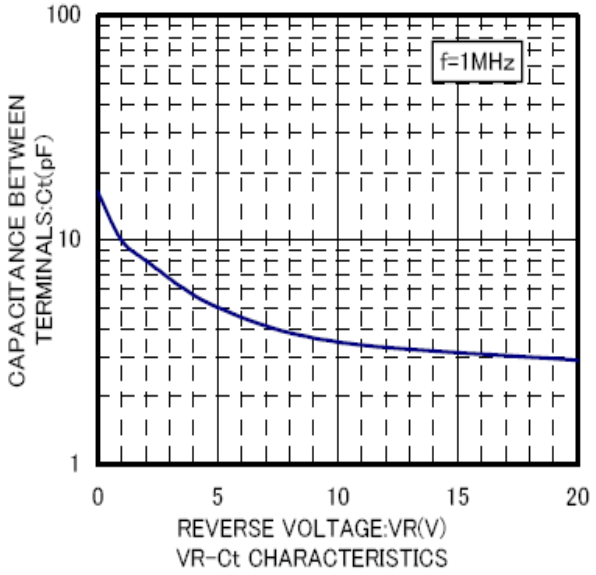
TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified



VF-IF CHARACTERISTICS



VR-IR CHARACTERISTICS



VR-Ct CHARACTERISTICS