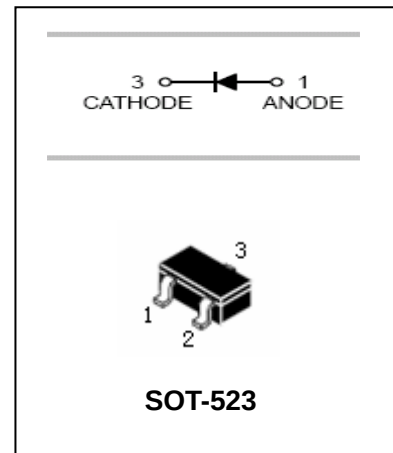


Surface Mount Schottky Barrier Diode**RB548W****FEATURES**

- 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 @ $T_a=25^{\circ}\text{C}$ 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	$^{\circ}\text{C}$

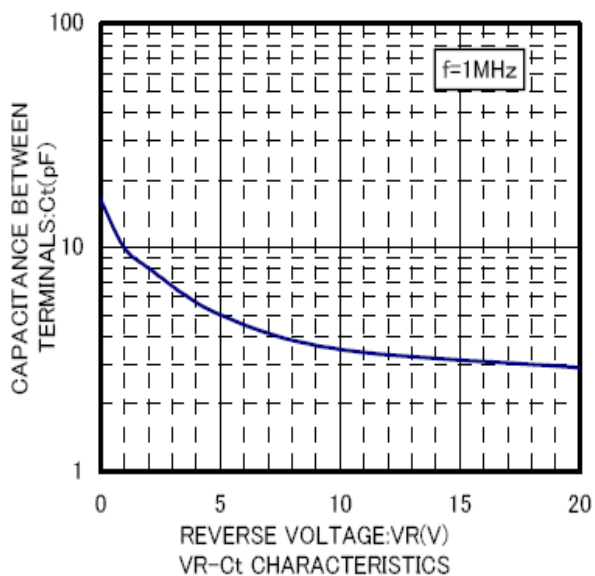
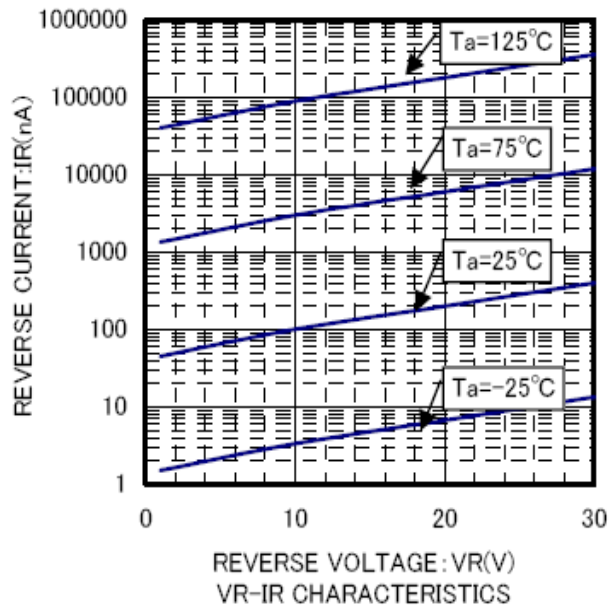
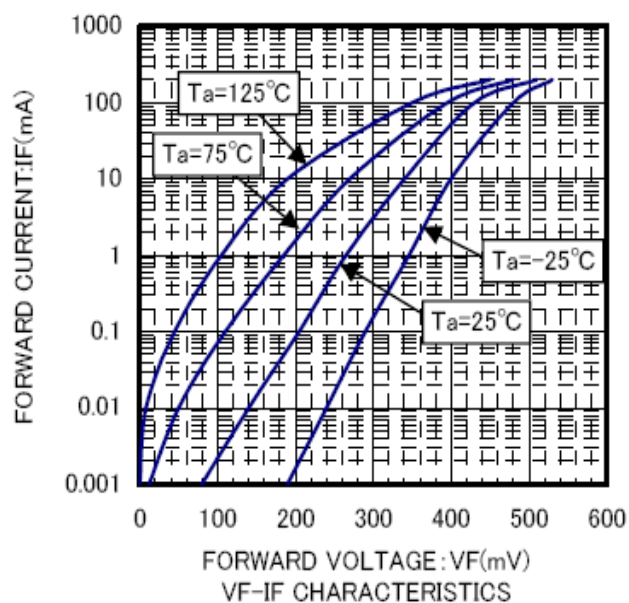
ELECTRICAL CHARACTERISTICS @ $T_a=25^{\circ}\text{C}$ unless otherwise specified

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

Surface Mount Schottky Barrier Diode

RB548W

TYPICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified



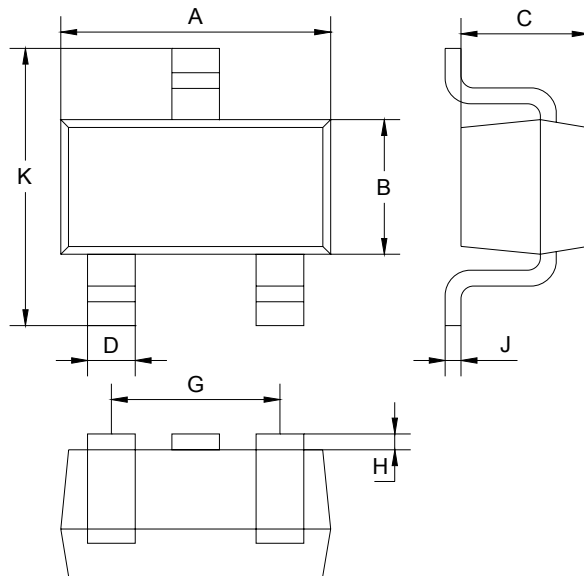
Surface Mount Schottky Barrier Diode

RB548W

PACKAGE OUTLINE

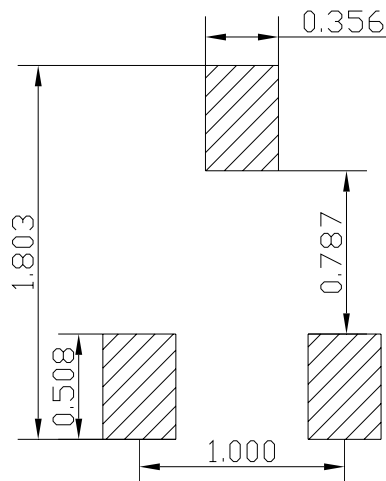
Plastic surface mounted package

SOT-523



SOT-523		
Dim	Min	Max
A	1.5	1.7
B	0.75	0.85
C	0.6	0.8
D	0.15	0.3
G	0.9	1.1
H	0.02	0.1
J	0.1Typical	
K	1.45	1.75
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
RB548W	SOT-523	3000/Tape&Reel