



Surface Mount Schottky Barrier Diode

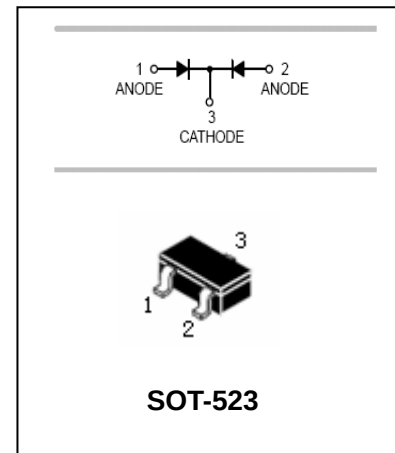
RB715W

FEATURES

- Ultra small mold type.
- Low V_F .
- High reliability.



Lead-free



APPLICATIONS

- Low current rectification.

ORDERING INFORMATION

Type No.	Marking	Package Code
RB715W	3D	SOT-523

MAXIMUM RATING @ $T_a=25^{\circ}\text{C}$ unless otherwise specified

Symbol	Parameter	Value	Units
V_{RM}	Repetitive peak reverse voltage	40	V
V_R	DC reverse voltage	40	V
I_O	Average rectified forward current	30	mA
I_{FSM}	Forward current surge peak(60Hz.1cyc)	200	mA
P_d	Power dissipation	150	mW
T_j, T_{stg}	Junction and Storage Temperature	-40 to +125	$^{\circ}\text{C}$

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

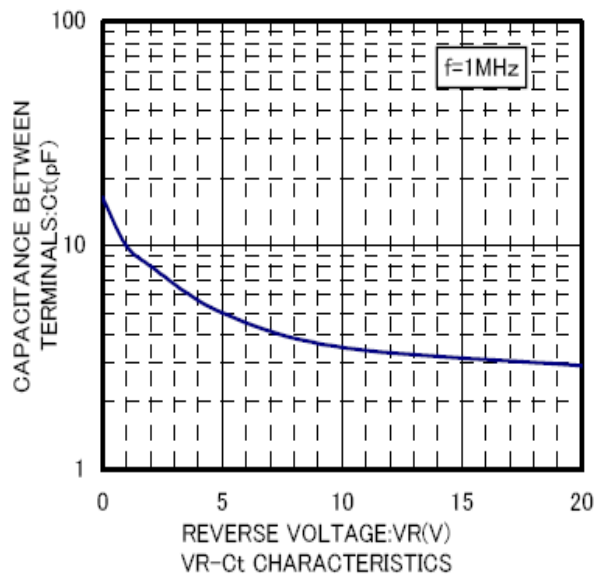
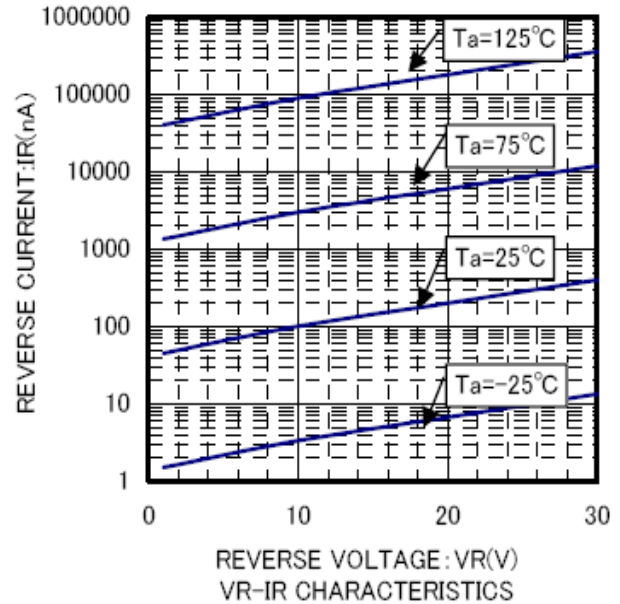
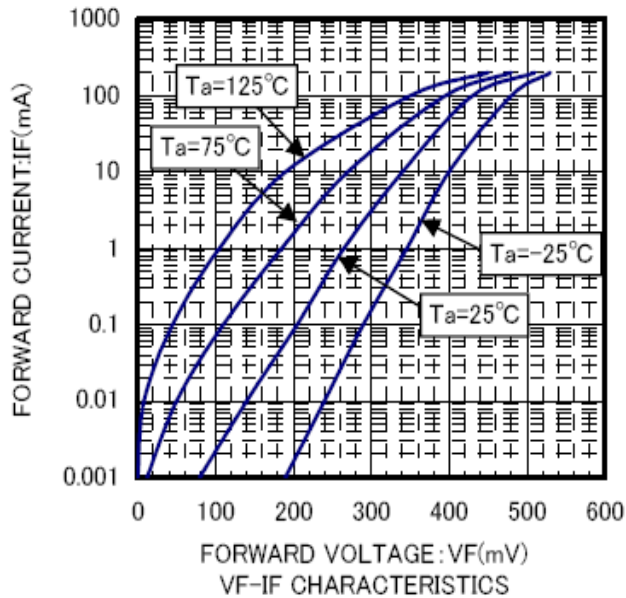
Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse current	I_R	$V_R=10\text{V}$		1	μA
Forward voltage	V_F	$I_F=1\text{mA}$		0.37	V
Capacitance between terminals	C_T	$V_R=1.0\text{V}, f=1.0\text{MHz}$	2.0		pF



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





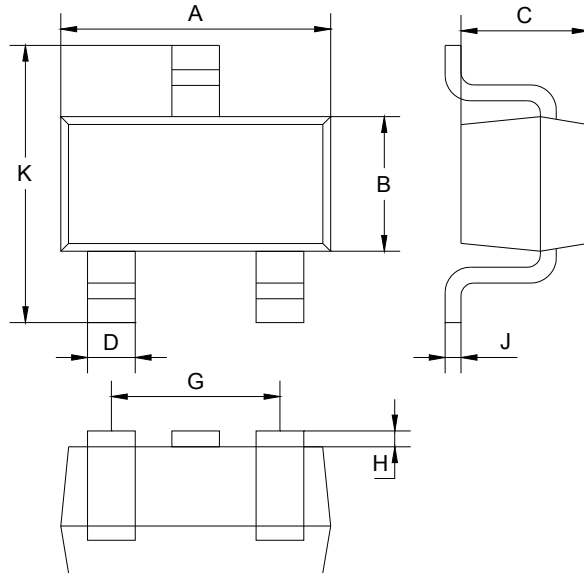
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PACKAGE OUTLINE

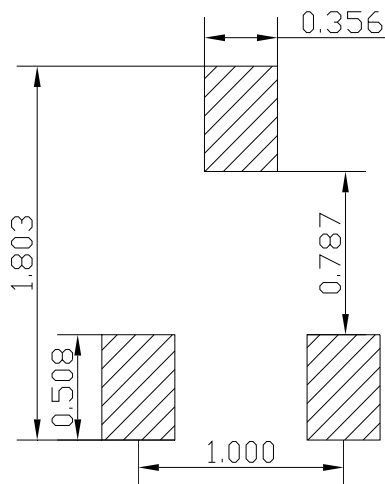
Plastic surface mounted package

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
RB715W	SOT-523	3000/Tape&Reel