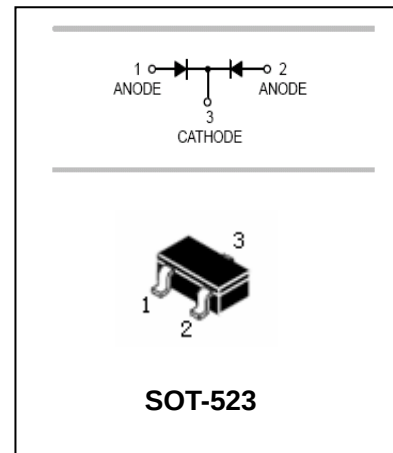


Surface Mount Schottky Barrier Diode**RB715W****FEATURES**

- 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 @ Ta=25°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	-40~125	°C

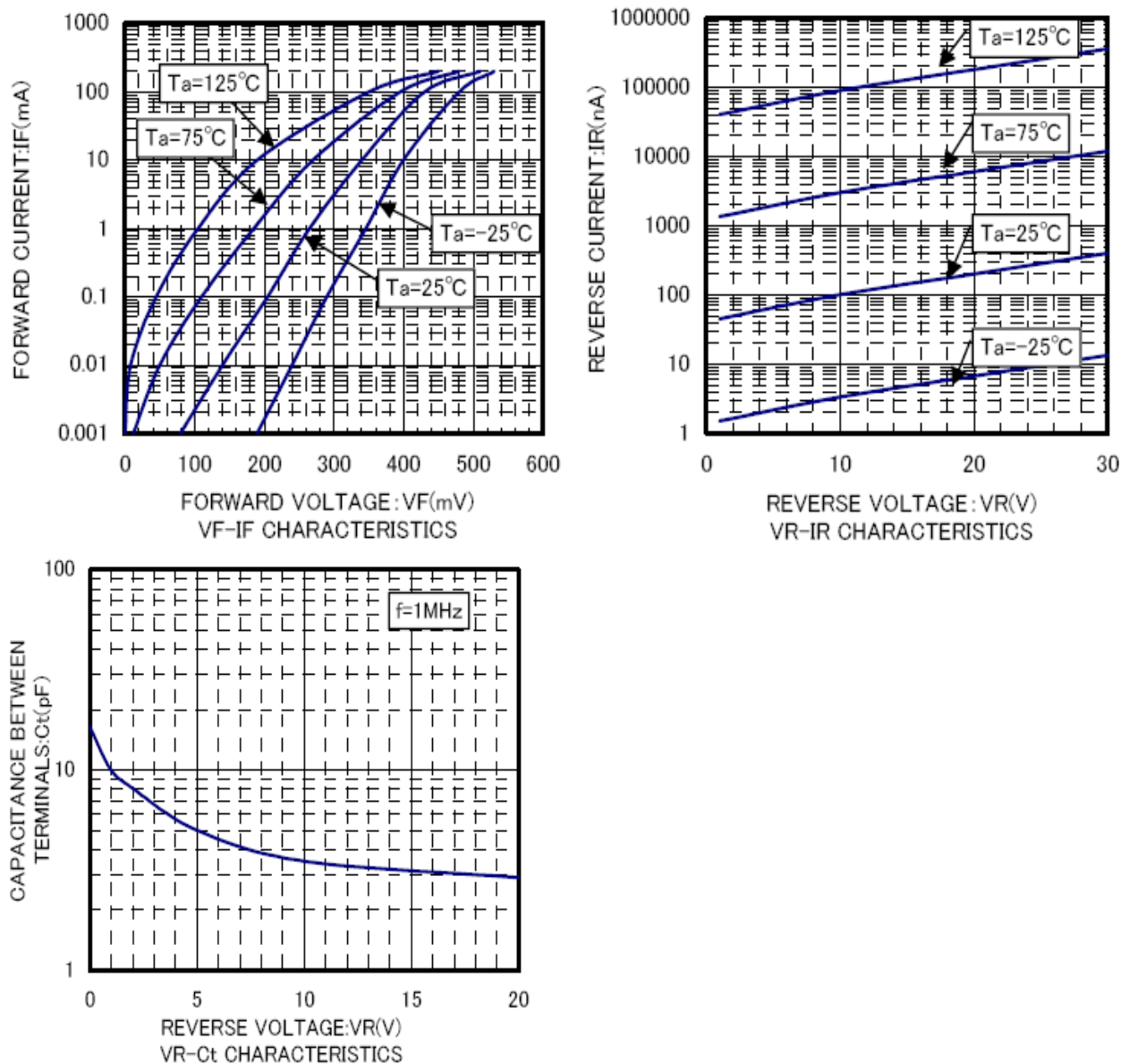
ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

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

Surface Mount Schottky Barrier Diode

RB715W

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



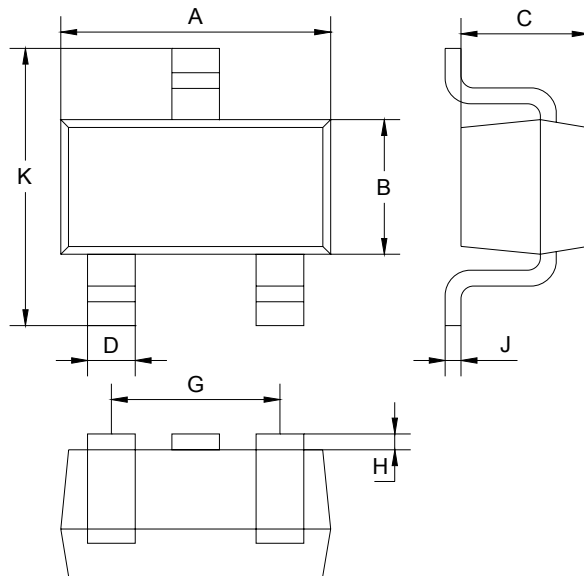
Surface Mount Schottky Barrier Diode

RB715W

PACKAGE OUTLINE

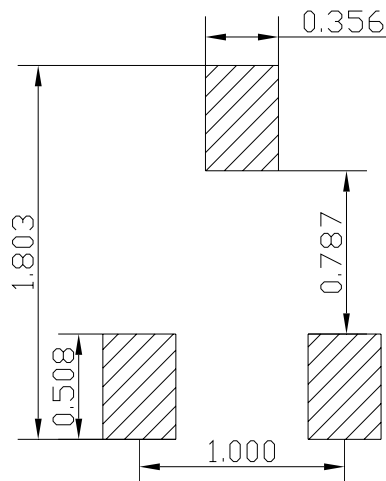
Plastic surface mounted package

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