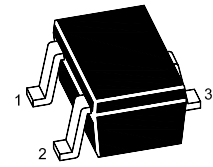
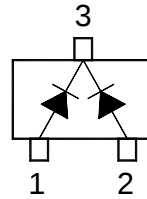


RB715W

Surface Mount Schottky Barrier Diode

Features

- Low current rectification



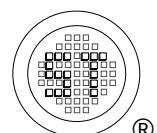
1.Anode 2.Anode 3.Cathode
SOT-323 Plastic Packing
Marking Code : 3D

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RM}	40	V
Reverse Voltage	V_R	40	V
Average Rectified Forward Current	$I_{F(AV)}$	30	mA
Peak Forward Surge Current (t = 8.3 ms)	I_{FSM}	200	mA
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 125	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 10 \mu\text{A}$	$V_{(BR)R}$	40	-	-	V
Forward Voltage at $I_F = 1 \text{ mA}$	V_F	-	-	0.37	V
Reverse Current at $V_R = 10 \text{ V}$	I_R	-	-	1	μA
Capacitance between Terminals at $V_R = 1 \text{ V}$, $f = 1 \text{ MHz}$	C_t	-	2	-	pF



Electrical characteristic curves

Fig 1. Reverse Characteristic Curve

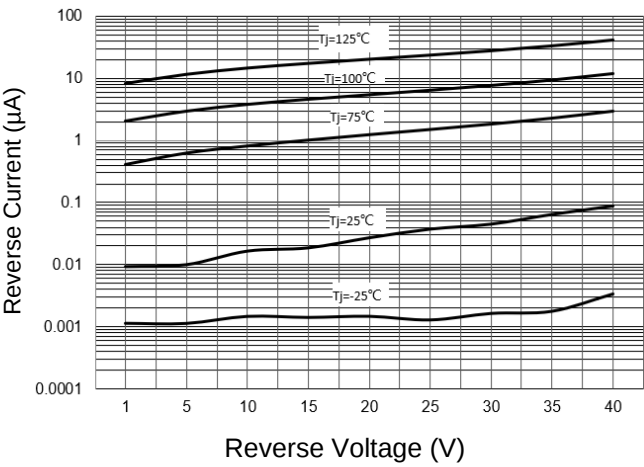


Fig 2. Forward Characteristic Curve

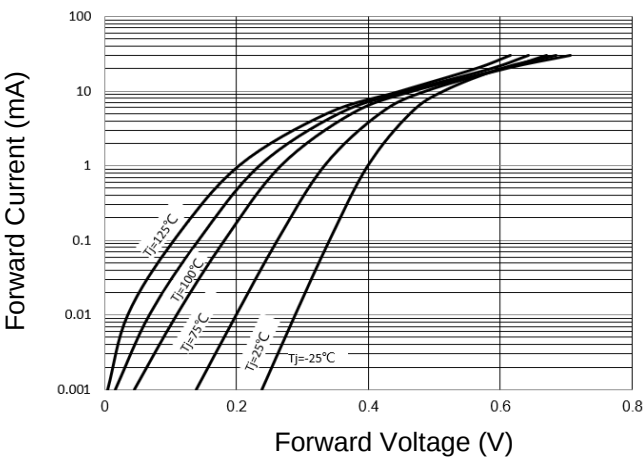
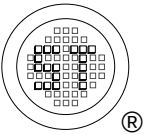
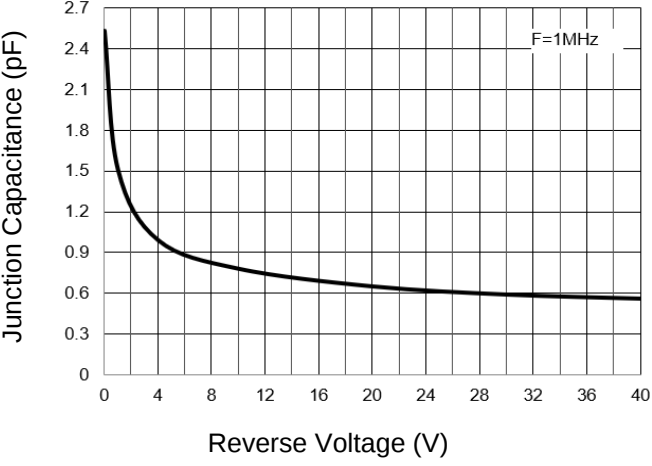
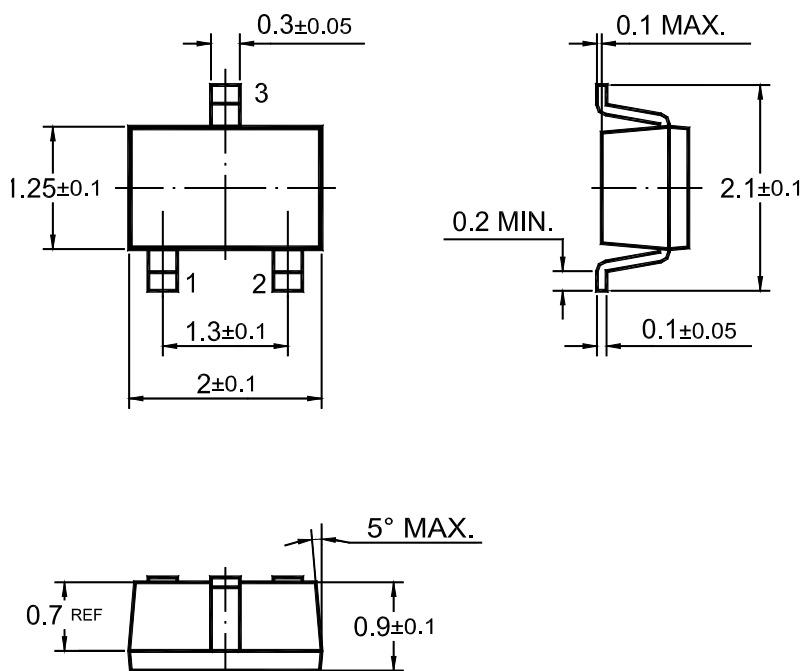
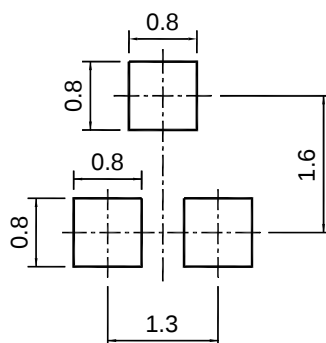


Fig 3. Junction Capacitance





Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
SOT-323	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

Marking information

" 3D " = Part No.
 " YM " = Date Code Marking
 " Y " = Year
 " M " = Month
 Font type: Arial

