

# SCHOTTKY BARRIER DIODE

## ●Applications

Low current rectification

## ●Features

Extremely small surface mounting type. (DFN0603)

Low  $I_R$ .

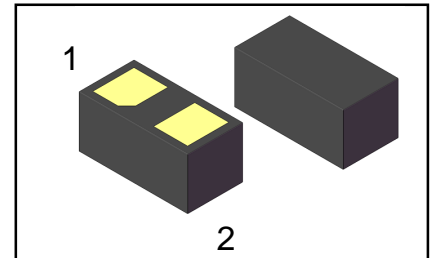
High reliability.

We declare that the material of product compliance with RoHS requirements.

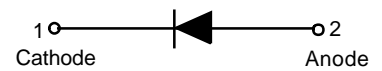
## ●Construction

Silicon epitaxial planar

RS5X6BF



DFN0603-D



## Device Marking And Ordering Information

Device	Marking	Shipping
RS5X6BF	R	15000/Tape&Reel

## Maximum Ratings ( $T_A = 25^\circ\text{C}$ )

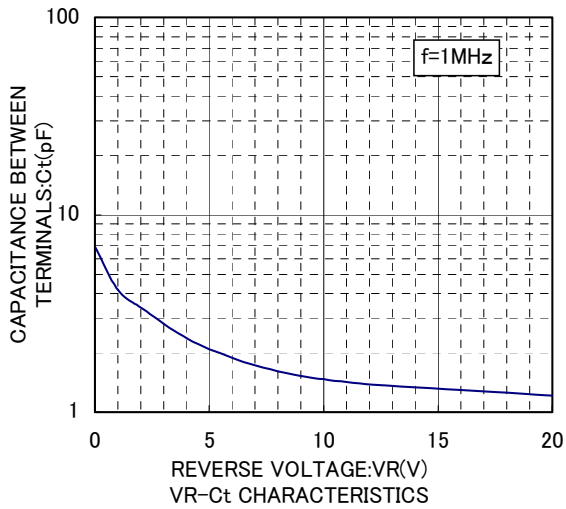
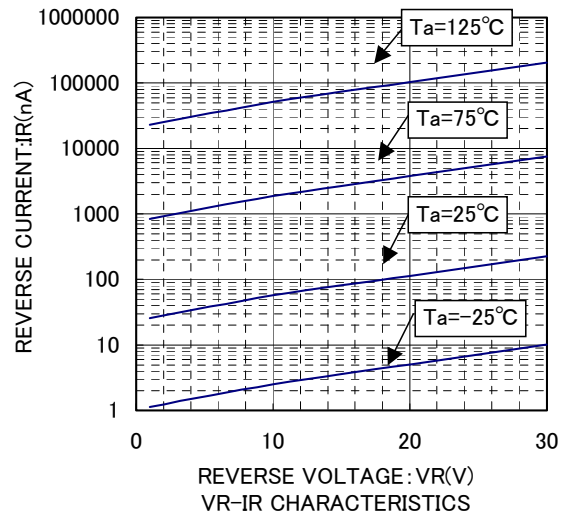
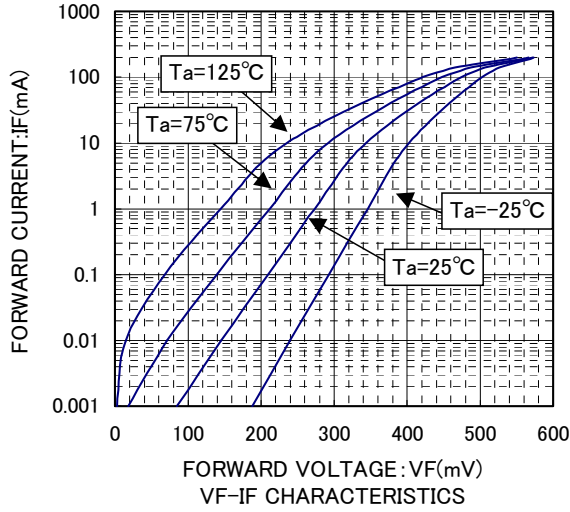
Parameter	Symbol	Limits	Unit
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	100	mA
Peak forward surge current	$I_{FSM}$	2	A
Junction temperature	$T_J$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40~+150	$^\circ\text{C}$

## Electrical Characteristics ( $T_A = 25^\circ\text{C}$ )

Parameter	Symbol	Min.	Typ	Max.	Unit	Conditions
Forward voltage	$V_F$	-	0.29	0.47	V	$I_F = 100\text{mA}$
Reverse current	$I_R$	-	-	0.35	$\mu\text{A}$	$V_R = 10\text{V}$
Reverse current	$I_R$	-	-	0.7	$\mu\text{A}$	$V_R = 30\text{V}$
Total capacitance	$C_T$	-	8.2	-	Pf	$V_R = 0\text{V}, f = 1\text{MHz}$

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## Electrical characteristic curves (Ta=25°C)



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DIMENSION OUTLINE:

Unit:mm

