



# RB521G-30

## SCHOTTKY BARRIER DIODE

### FEATURES

- Rectifying small power
- Ultra small mold type
- Low  $V_F$
- High reliability
- In compliance with EU RoHS 2002/95/EC directives

### MECHANICAL DATA

Case: SOD-723, Plastic

Terminals: Solderable per MIL-STD-750, Method 2026

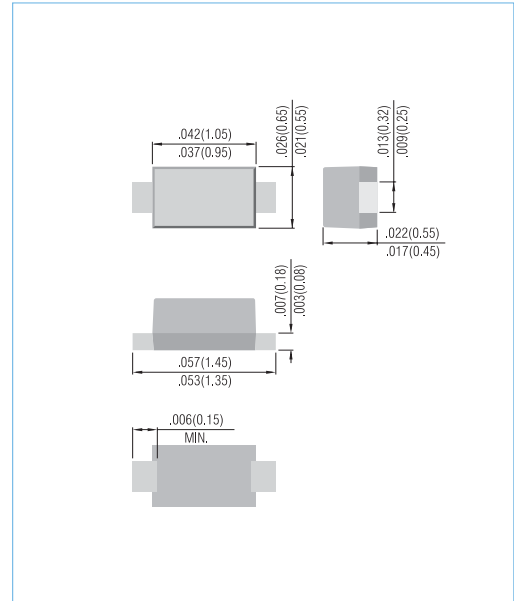
Polarity: See Diagram Below

Approx.Weight : 0.00077 gram

Marking : BN

SOD-723

Unit: inch ( mm )



### ABSOLUTE MAXIMUM RATINGS ( $T_A = 25^\circ\text{C}$ )

PARAMETER	SYMBOL	LIMITS	UNITS
Reverse Voltage (DC)	$V_R$	30	V
Average Rectified Forward Current	$I_O$	100	mA
Forward Current Surge Peak (60Hz . 1cyc)	$I_{FSM}$	500	mA
Operating Junction and Storage Temperature Range	$T_J, T_{STG}$	-40 to 125	$^\circ\text{C}$

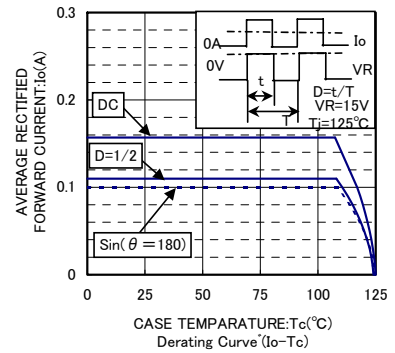
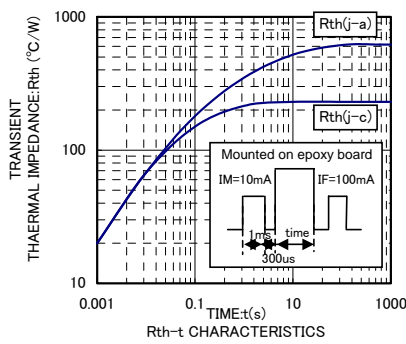
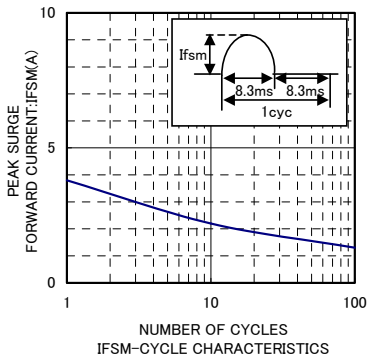
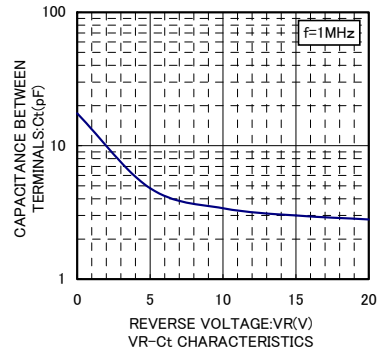
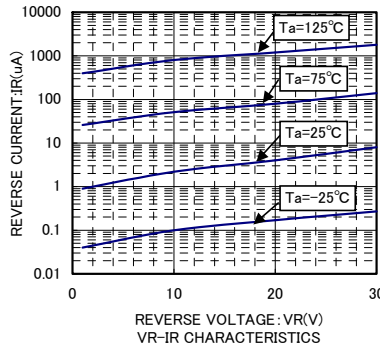
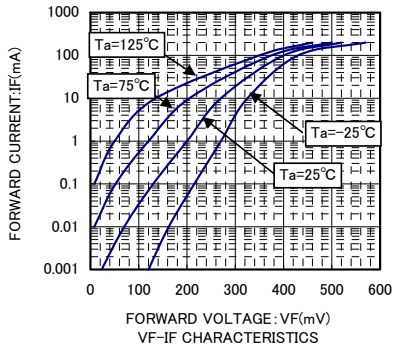
### ELECTRICAL CHARACTERISTICS ( $T_A = 25^\circ\text{C}$ )

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Forward Voltage	$V_F$	$I_F = 10\text{mA}$	-	-	0.35	V
Reverse Current	$I_R$	$V_R = 10\text{V}$	-	-	10	$\mu\text{A}$



# RB521G-30

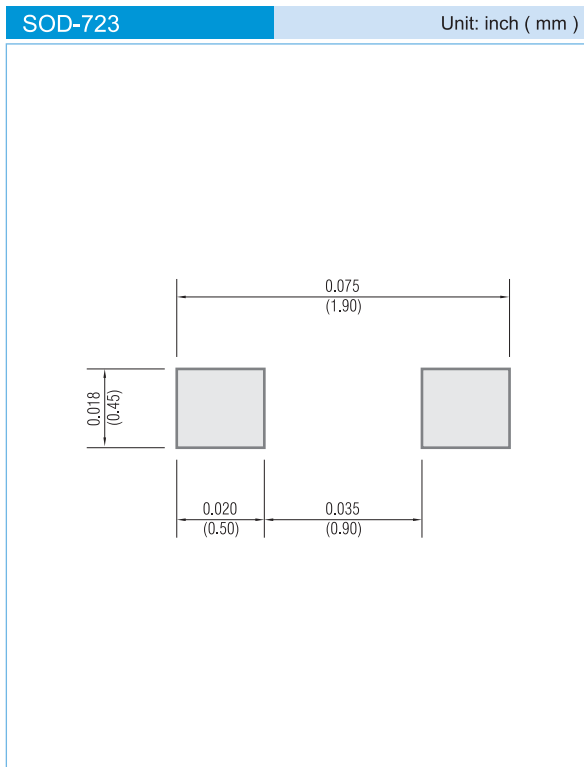
## ●Electrical characteristic curves (Ta=25°C)





# RB521G-30

## MOUNTING PAD LAYOUT



### ORDER INFORMATION

- Packing information  
T/R - 8K per 7" plastic Reel

### LEGAL STATEMENT

**Copyright PanJit International, Inc 2007**

The information presented in this document is believed to be accurate and reliable. The specifications and information herein are subject to change without notice. Pan Jit makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose. Pan Jit products are not authorized for use in life support devices or systems. Pan Jit does not convey any license under its patent rights or rights of others.