



# RB520G-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

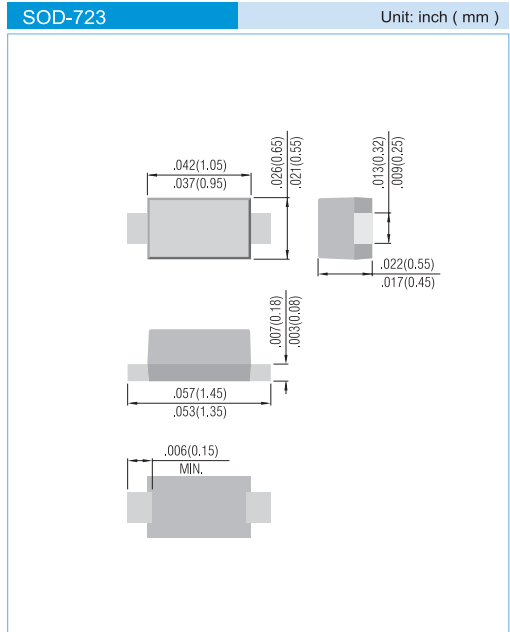
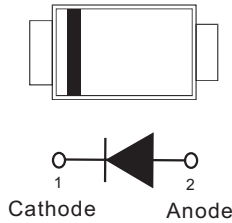
Case: SOD-723, Plastic

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

Polarity: Color band cathode

Approx. Weight : 0.00077 gram

Marking : BP



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

PARAMETER	SYMBOL	LIMITS	UNITS
Reverse Voltage (DC)	$V_R$	30	V
Average Rectified Forward Current	$I_O$	200	mA
Forward Current Surge Peak (60Hz . 1cyc)	$I_{FSM}$	1000	mA
Operating Junction and Storage Temperature Range	$T_J, T_{STG}$	-40 to 125	$^\circ\text{C}$

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

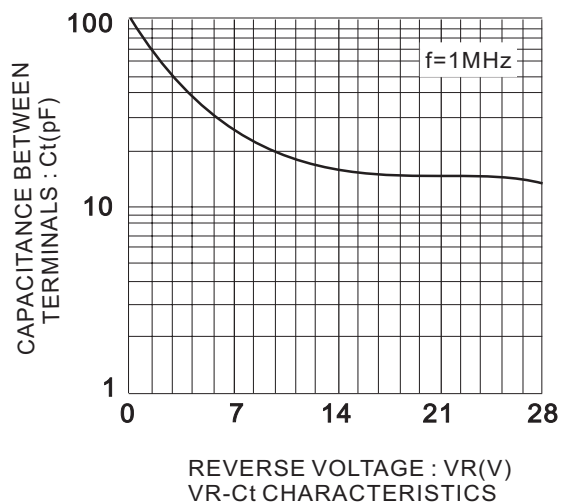
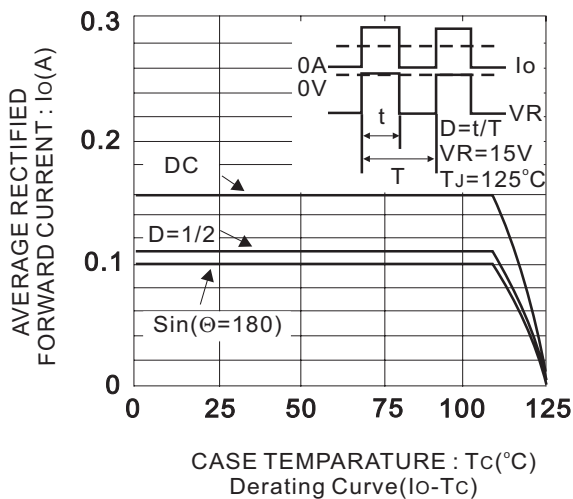
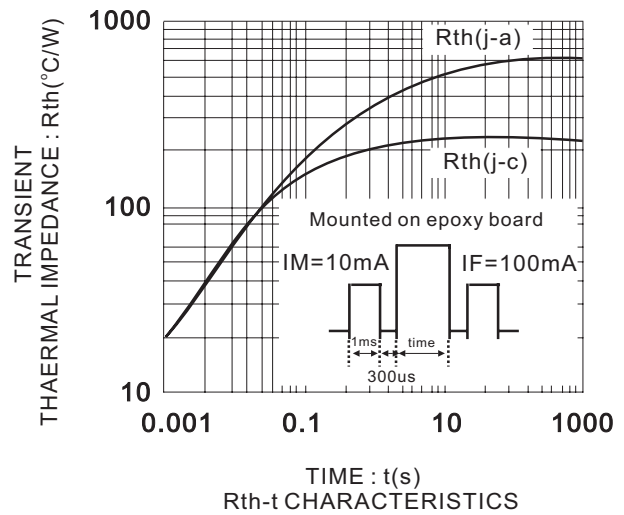
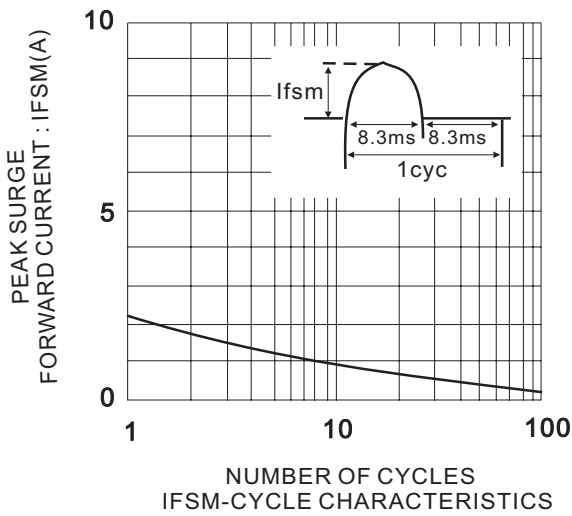
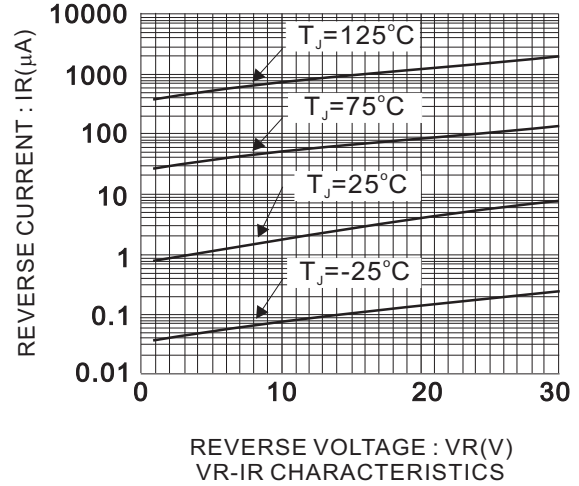
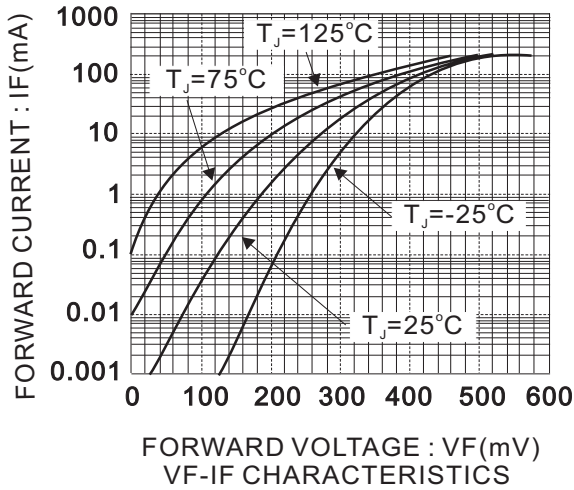
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Forward Voltage	$V_F$	$I_F = 200\text{mA}$	-	-	0.6	V
Reverse Current	$I_R$	$V_R = 10\text{V}$	-	-	1	$\mu\text{A}$
Typical Junction Capacitance between Terminal (Note1)	$C_J$	$V_R = 20\text{V}$	-	15	-	pF

NOTES : 1.Measured at 1.0MHz



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Electrical characteristic curves (TA=25°C)



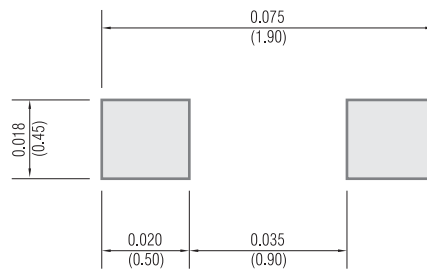


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## MOUNTING PAD LAYOUT

SOD-723

Unit: inch ( mm )



## ORDER INFORMATION

- Packing information

T/R - 8K per 7" plastic Reel

## LEGAL STATEMENT

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