

GSDSRB520S-40

Schottky Barrier Diode

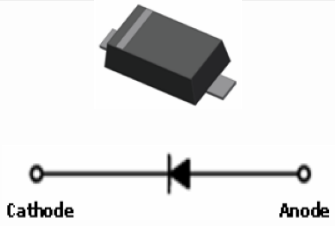
Product Description

Schottky Barrier Diode 200mW / 40V

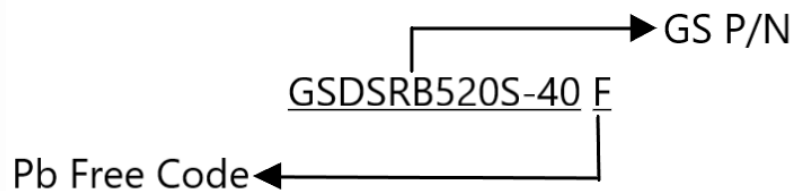
Features

- Low Forward Voltage Drop
- Extremely Small SOD-523 Package
- Flat Lead SOD-523 Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicate Cathode

Marking Information

Part Number	Package	Part Marking	Equivalent Circuit diagram
GSDSRB520S-40F	SOD-523	3B	

Ordering Information



Part Number	Package	Quantity
GSDSRB520S-40F	SOD-523	3000 PCS

Absolute Maximum Ratings ($T_A=25^\circ\text{C}$ Unless otherwise noted)

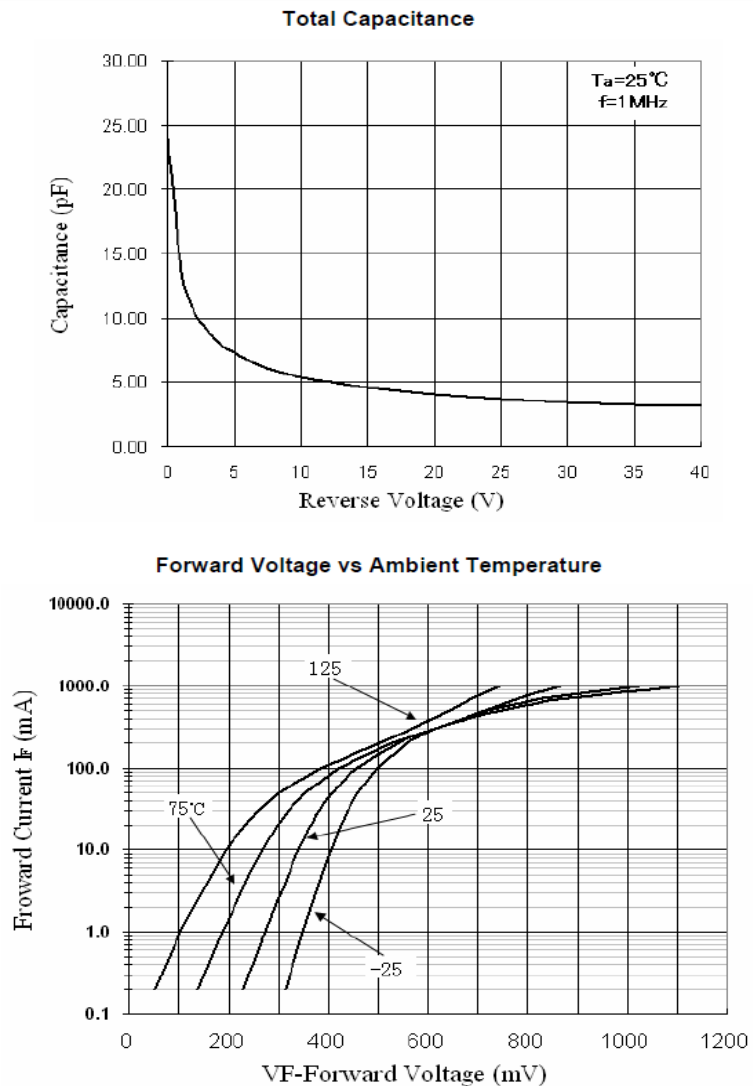
Symbol	Parameter	Value	Unit
P_D	Power Dissipation	200	mW
V_R	Maximum DC Blocking Voltage	40	V
T_J	Operating Junction Temperature	+125	$^\circ\text{C}$
T_{STG}	Storage Temperature Range	-55 to +125	$^\circ\text{C}$
$I_{F(AV)}$	Average Forward Rectified Current	200	mA

These ratings are limiting values above which the serviceability of the diode may be impaired.

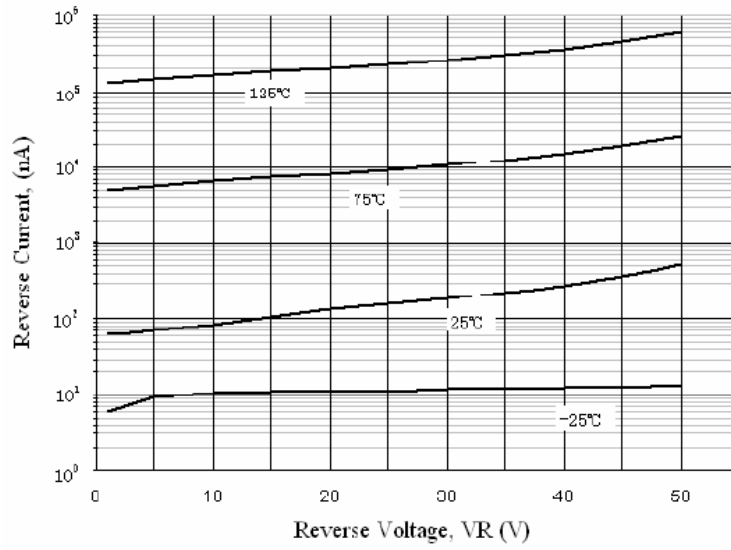
Electrical Characteristics ($T_A=25^\circ\text{C}$ Unless otherwise noted)

Symbol	Parameter	Test Condition	Min	Max	Unit
B_V	Breakdown Voltage	$I_R = 10\mu\text{A}$	40	-	V
I_R	Reverse Current	$V_R = 10\text{V}$	-	1	μA
V_F	Forward Voltage	$I_F = 200\text{mA}$	-	0.6	V

Typical Characteristics

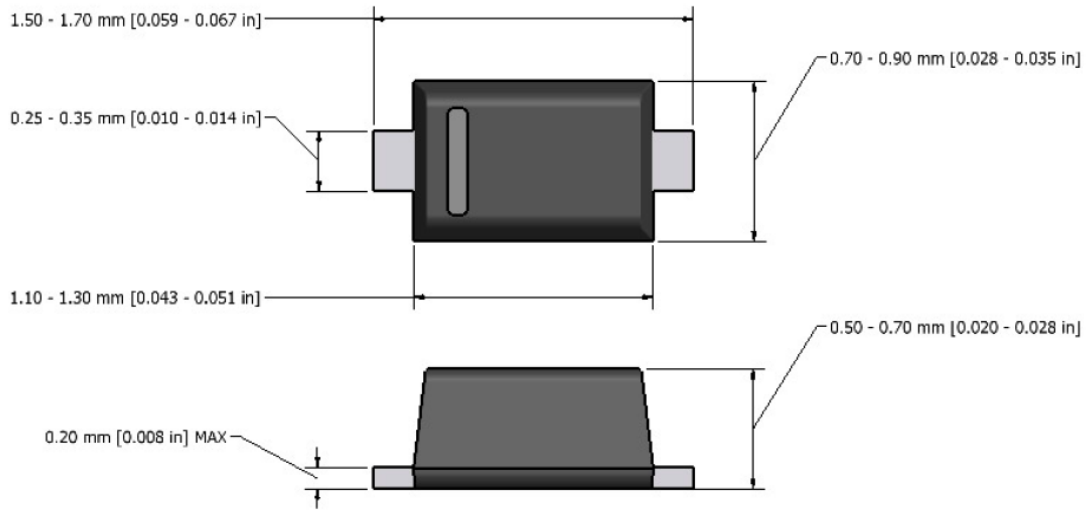


Reverse Current vs Reverse Voltage



Package Dimension

SOD-523







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