



**Transys
Electronics**
LIMITED

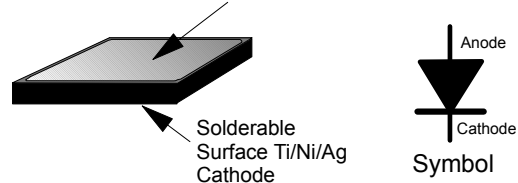
SB063P150-W-Ag/Al
Schottky Barrier Diode Wafer
63 Mils, 150 Volt, 3 Amp

Data Sheet

Features

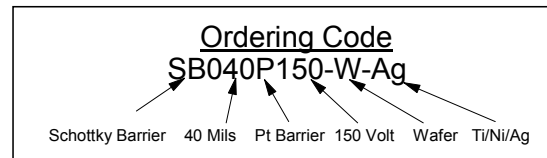
Oxide Passivated Junction
Low Forward Voltage
150 °C Junction Operating
Low Reverse Leakage
Supplied as Wafers
Platinum Barrier

1. Solderable Surface Ti/Ni/Ag - Suffix "Ag"
2. Wire Bond Surface Aluminium - Suffix "Al"



| Electrical Characteristics @ 25°C | Symbol | Unit | SB063P150-W-Ag/Al (See ordering code below) |
|---|-------------|---------|---|
| Maximum Repetitive Reverse Voltage (2) | V_{RRM} | Volt | 150 |
| Maximum Forward Voltage (1)(2) | V_F | Volt | 0.81 |
| Typical Average Forward Rectified Current (2) | $I_{F(AV)}$ | Amp | 3 |
| Reverse Leakage Current (2) | I_R | μA | 10 |
| Reverse Leakage Current @ 125°C (2) | I_R | mA | 5 |
| Junction Operating Temperature Range (2) | T_J | °C | -65 to +150 |
| Storage Temperature Range (2) | T_{SG} | °C | -65 to +150 |

- (1) Pulse Width $t_p = < 300\mu S$, Duty Cycle $< 2\%$
(2) The characteristics above assume the die are assembled in industry standard packages using appropriate attach methods.

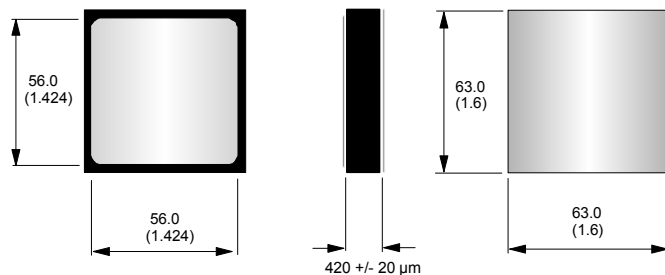


Mechanical Dimensions

Wafer

- Wafer Diameter - 100 mm (4")
- Wafer Thickness 420 +/- 20
- Top (Anode) - Ti/Ni/Ag (Suffix "Ag") or Aluminium (Suffix "Al")
- Bottom (cathode) Ti/Ni/Ag

Die



Third Angle Projection

Dimensions in mils (mm)

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