



**Transys  
Electronics  
LIMITED**

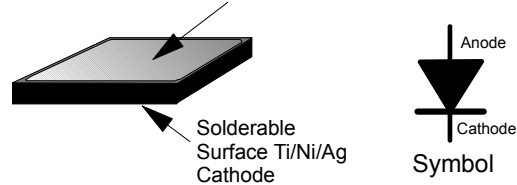
**SB090P125-W-Ag/Al**  
**Schottky Barrier Diode Wafer**  
**90 Mils, 125 Volt, 8 Amp**

**Data Sheet**

**Features**

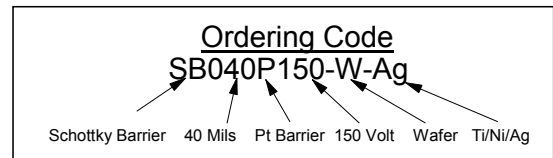
Oxide Passivated Junction  
Low Forward Voltage  
150 °C Junction Operating  
Low Reverse Leakage  
Supplied as Wafers  
Platinum Barrier

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



Electrical Characteristics @ 25°C	Symbol	Unit	SB090P125-W-Ag/Al (See ordering code below)
Maximum Repetitive Reverse Voltage (2)	$V_{RRM}$	Volt	125
Maximum Forward Voltage (1)(2)	$V_F$	Volt	0.78
Typical Average Forward Rectified Current (2)	$I_{F(AV)}$	Amp	8
Reverse Leakage Current (2)	$I_R$	$\mu A$	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.

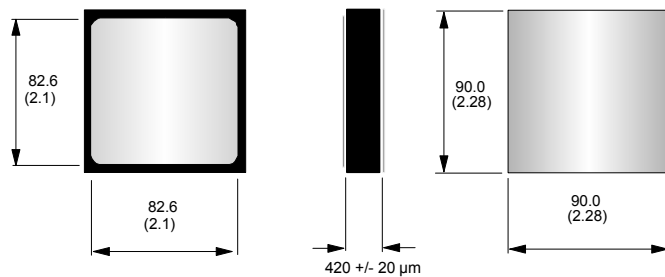


**Mechanical Dimensions**

**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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