



**Transys**  
**Electronics**  
**LIMITED**

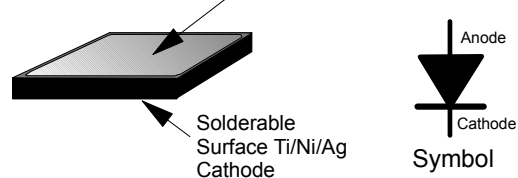
**SB040P200-W-Ag/Al**  
**Schottky Barrier Diode Wafer**  
**40 Mils, 200 Volt, 1 Amp**

**Data Sheet**

**Features**

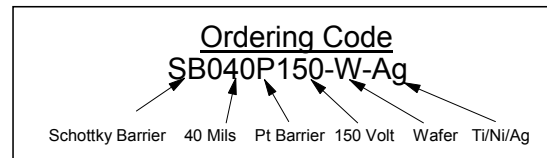
Oxide Passivated Junction  
Low Forward Voltage  
150 °C Junction Operating  
Low Reverse Leakage  
Supplied as Wafers  
Platinum Barrier

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



Electrical Characteristics @ 25°C	Symbol	Unit	SB040P200-W-Ag/Al (See ordering code below)
Maximum Repetitive Reverse Voltage (2)	$V_{RRM}$	Volt	200
Maximum Forward Voltage (1)(2)	$V_F$	Volt	0.83
Typical Average Forward Rectified Current (2)	$I_{F(AV)}$	Amp	1
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.

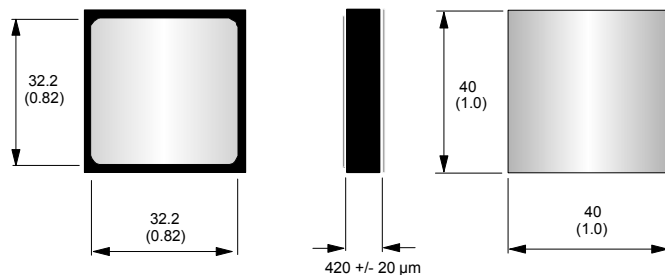


**Mechanical Dimensions**

**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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**Transys Electronics LTD**  
Birmingham UK.  
Email: [sales@transyselectronics.com](mailto:sales@transyselectronics.com)  
Website: [www.transyselectronics.com](http://www.transyselectronics.com)  
Tel: + 44 (0) 121 776 6321  
Fax: + 44 (0) 121 776 6997

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