



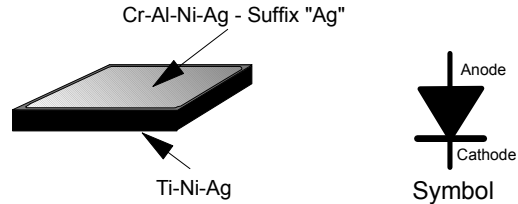
**Transys**  
**Electronics**  
**LIMITED**

**SB039C025-0.5-W-Ag**  
**Schottky cr Barrier Diode Wafer**  
**39 Mils, 25 Volt, 0.5 Amp, 0.34V<sub>F</sub>.**

**Data Sheet**

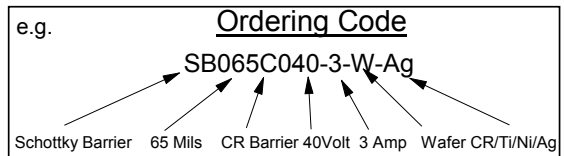
**Features**

Oxide Passivated Junction  
Very Low Forward Voltage  
125 °C Junction Operating  
Low Reverse Leakage  
Supplied as Wafers  
Chromium Barrier  
>1000V ESD (MM)



Electrical Characteristics @ 25°C	Symbol	Unit	SB039C025-0.5-W-Ag (See <a href="#">ordering code</a> below)
Maximum Repetitive Reverse Voltage (2)	V <sub>RRM</sub>	Volt	25
Maximum Forward Voltage @ I <sub>F</sub> = 0.5A (1)(2)	V <sub>F</sub>	Volt	0.34
Typical Average Forward Rectified Current (2)	I <sub>F(AV)</sub>	Amp	0.5
Reverse Leakage Current @ V <sub>R</sub> = 25V (2)	I <sub>R(1)</sub>	µA	500
Reverse Leakage Current @ V <sub>R</sub> = 25V, 125°C (2)	I <sub>R(2)</sub>	mA	15
ESD Machine Model (MM)	V <sub>ESD(mm)</sub>	Volt	>1000
Junction Operating Temperature Range (2)	T <sub>J</sub>	°C	-45 to +125
Storage Temperature Range (2)	T <sub>SG</sub>	°C	-45 to +125

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

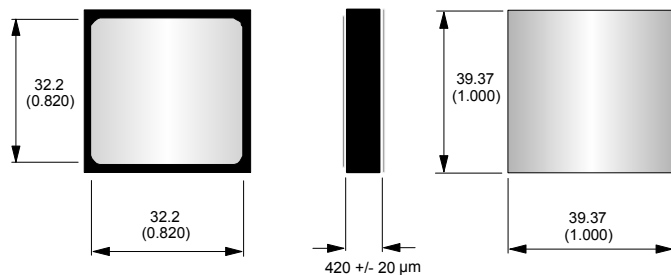


**Mechanical Dimensions**

**Wafer**

- Wafer Diameter - 100 mm (4")
- Wafer Thickness 420 +/- 20
- Top (Anode) - CR/Ti/Ni/Ag (Suffix "Ag")
- Bottom (cathode) Ti/Ni/Ag
- Scribe line Width 80 µm

**Die**



Third Angle Projection

Dimensions in mils (mm)

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