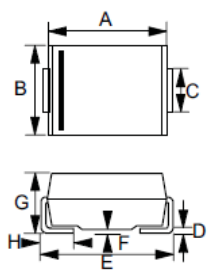


SCHOTTKY BARRIER RECTIFIERS	REVERSE VOLTAGE 20 to 200 Volts FORWARD CURRENT 3 Amperes																																								
<p>FEATURES</p> <ul style="list-style-type: none"> • Metal-Semiconductor junction with guard ring • Epitaxial construction • Low forward voltage drop • High current capability • The plastic material carries UL recognition 94V-0 <p>MECHANICAL DATA</p> <ul style="list-style-type: none"> • Case: SMB , molded plastic • Polarity: Color band denotes cathode • Weight: 0.095 grams 	<p>SMB</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3">SMB</th> </tr> <tr> <th>DIM.</th> <th>MIN.</th> <th>MAX.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4.06</td> <td>4.70</td> </tr> <tr> <td>B</td> <td>3.30</td> <td>3.94</td> </tr> <tr> <td>C</td> <td>1.91</td> <td>2.11</td> </tr> <tr> <td>D</td> <td>0.15</td> <td>0.31</td> </tr> <tr> <td>E</td> <td>5.08</td> <td>5.59</td> </tr> <tr> <td>F</td> <td>0.05</td> <td>0.20</td> </tr> <tr> <td>G</td> <td>2.13</td> <td>2.44</td> </tr> <tr> <td>H</td> <td>0.76</td> <td>1.52</td> </tr> </tbody> </table> <p>All Dimensions in millimeter</p>											SMB			DIM.	MIN.	MAX.	A	4.06	4.70	B	3.30	3.94	C	1.91	2.11	D	0.15	0.31	E	5.08	5.59	F	0.05	0.20	G	2.13	2.44	H	0.76	1.52
SMB																																									
DIM.	MIN.	MAX.																																							
A	4.06	4.70																																							
B	3.30	3.94																																							
C	1.91	2.11																																							
D	0.15	0.31																																							
E	5.08	5.59																																							
F	0.05	0.20																																							
G	2.13	2.44																																							
H	0.76	1.52																																							
<p>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%</p>																																									
Characteristics	Symbol	B320B -HF	B330B -HF	B340B -HF	B350B -HF	B360B -HF	B380B -HF	B3100B -HF	B3150B -HF	B3200B -HF	Unit																														
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	80	100	150	200	V																														
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	56	70	105	140	V																														
Maximum DC blocking voltage	V_{DC}	20	30	40	50	60	80	100	150	200	V																														
Maximum Instantaneous Forward Voltage $I_F=3A$ @25°C	V_F	0.5			0.7		0.85		0.87	0.9	V																														
Maximum DC Reverse Current @TA=25°C at Rated DC Blocking Voltage @TA=100°C	I_R	0.5 10					0.2 5				mA																														
Maximum Average Forward Rectified Current	I_F	3										A																													
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load	I_{FSM}	80										A																													
Typical Junction Capacitance	C_J	180			150		110	100	80		pF																														
Typical Thermal Resistance	$R_{\theta Ja}$ $R_{\theta Jc}$	70 30										°C/W																													
Operating Temperature Range	T_J	-55 to +125										°C																													
Storage Temperature Range	T_{STG}	-55 to +150										°C																													

Rating and Characteristic Curves

