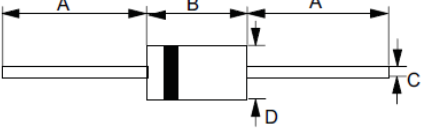


<b>SCHOTTKY BARRIER RECTIFIERS</b>		<b>REVERSE VOLTAGE 20 to 200 Volts FORWARD CURRENT 3 Amperes</b>																														
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• Metal-Semiconductor junction with guard ring</li> <li>• Epitaxial construction</li> <li>• Low forward voltage drop</li> <li>• High current capability</li> <li>• The plastic material carries UL recognition 94V-0</li> </ul> <p><b>MECHANICAL DATA</b></p> <ul style="list-style-type: none"> <li>• Case: JEDEC DO-201AD molded plastic</li> <li>• Polarity: Color band denotes cathode</li> <li>• Weight: 1.071grams</li> </ul>		<p style="text-align: center;">DO-201AD</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3">DO-201AD</th> </tr> <tr> <th>Dim.</th> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>25.4</td> <td>-</td> </tr> <tr> <td>B</td> <td>8.50</td> <td>9.50</td> </tr> <tr> <td>C</td> <td>1.20 <math>\varnothing</math></td> <td>1.30 <math>\varnothing</math></td> </tr> <tr> <td>D</td> <td>5.0 <math>\varnothing</math></td> <td>5.60 <math>\varnothing</math></td> </tr> <tr> <td colspan="3" style="text-align: center;">Dimensions in millimeters</td> </tr> </tbody> </table>										DO-201AD			Dim.	Min.	Max.	A	25.4	-	B	8.50	9.50	C	1.20 $\varnothing$	1.30 $\varnothing$	D	5.0 $\varnothing$	5.60 $\varnothing$	Dimensions in millimeters		
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<p><b>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</b>  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	SB320-HF	SB330-HF	SB340-HF	SB350-HF	SB360-HF	SB380-HF	SB3100-HF	SB3150-HF	SB3200-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 @3A	$V_F$	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	$R_{\theta Ja}$ $R_{\theta Jc}$	60 15										°C/W																				
Operating Temperature Range	$T_J$	-55 to +125										°C																				
Storage Temperature Range	$T_{STG}$	-55 to +150										°C																				

**Rating and Characteristic Curves**

