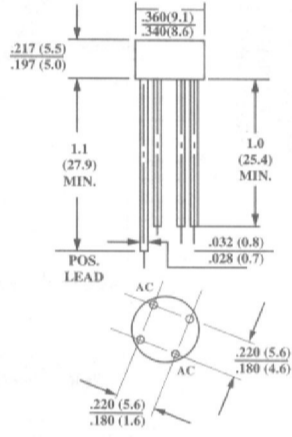




Carvic International Ltd.

B40C1500 THRU B500C1500

<p>FEATURES</p> <ul style="list-style-type: none"> ● Plastic material used carried Underwriters laboratory recognition. ● High case Dielectric strength. ● Typical I_r less than 1 μ A. ● Exceeds environmental standards of MIL-STD-19500. ● Ideal for printed circuit board. ● High temperature soldering guaranteed: 265°C /10 seconds / .375." , (9.5mm) lead length at 5 lbs., (2.3kg) tension. <p>MECHANICAL DATA</p> <p>Case: Reliable low cost construction utilizing molded plastic technique.</p> <p>Terminals: Leads, solderable per MIL-STD-202, Method 208.</p> <p>Mounting position: Any.</p> <p>Weight: 0.04 ounces, 1.1 grams.</p>	<p>VOLTAGE RANGE 90 to 1200 Volts</p> <p>CURRENT 1.5 Amperes</p> <p>RB-10</p>  <p>Dimensions in inches and (millimeters)</p>																																																																																																								
<p>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</p> <p>Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load 60 Hz. For capacitive load, derate current by 20%.</p>																																																																																																									
	<table border="1"> <thead> <tr> <th></th> <th>B40C1500</th> <th>B80C1500</th> <th>B125C1500</th> <th>B250C1500</th> <th>B380C1500</th> <th>B500C1500</th> <th>UNITS</th> </tr> </thead> <tbody> <tr> <td>Maximum Recurrent Peak Reverse Voltage</td> <td>90</td> <td>180</td> <td>350</td> <td>600</td> <td>900</td> <td>1200</td> <td>V_{RRM}</td> </tr> <tr> <td>Maximum RMS Bridge Input Voltage</td> <td>70</td> <td>140</td> <td>280</td> <td>420</td> <td>560</td> <td>700</td> <td>V_{RMS}</td> </tr> <tr> <td>Maximum DC Blocking Voltage</td> <td>90</td> <td>180</td> <td>350</td> <td>600</td> <td>900</td> <td>1000</td> <td>V_{DC}</td> </tr> <tr> <td>Maximum Average Forward Rectified Current 373" (9.5mm) Lead Lengths at T_A=25°C</td> <td colspan="6">1.5</td> <td>A(AV)</td> </tr> <tr> <td>Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC Method)</td> <td colspan="6">50</td> <td>A²S</td> </tr> <tr> <td>I² t Rating for Fusing (t<.00835ms)</td> <td colspan="6">5.0</td> <td></td> </tr> <tr> <td>Maximum Forward Voltage Drop per Element at 1.0A</td> <td colspan="6">1.0</td> <td>V</td> </tr> <tr> <td>Maximum DC Reverse Current, at rated DC Blocking Voltage</td> <td colspan="6">10.0</td> <td>μ A</td> </tr> <tr> <td></td> <td colspan="6">1.0</td> <td>mA</td> </tr> <tr> <td>Typical Junction Capacitance per Bridge Element</td> <td colspan="6">24.0</td> <td>PF</td> </tr> <tr> <td>Operating Temperature Range ,T_A</td> <td colspan="6">- 65 To + 125</td> <td>°C</td> </tr> <tr> <td>Storage Temperature Range T_{STG}</td> <td colspan="6">- 65 To + 150</td> <td>°C</td> </tr> </tbody> </table>		B40C1500	B80C1500	B125C1500	B250C1500	B380C1500	B500C1500	UNITS	Maximum Recurrent Peak Reverse Voltage	90	180	350	600	900	1200	V _{RRM}	Maximum RMS Bridge Input Voltage	70	140	280	420	560	700	V _{RMS}	Maximum DC Blocking Voltage	90	180	350	600	900	1000	V _{DC}	Maximum Average Forward Rectified Current 373" (9.5mm) Lead Lengths at T _A =25°C	1.5						A(AV)	Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC Method)	50						A ² S	I ² t Rating for Fusing (t<.00835ms)	5.0							Maximum Forward Voltage Drop per Element at 1.0A	1.0						V	Maximum DC Reverse Current, at rated DC Blocking Voltage	10.0						μ A		1.0						mA	Typical Junction Capacitance per Bridge Element	24.0						PF	Operating Temperature Range ,T _A	- 65 To + 125						°C	Storage Temperature Range T _{STG}	- 65 To + 150						°C
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NOTES: 1.-Measured at 1 MHz and applied reverse voltage of 4.0 VDC.

