8 to 12GHz – Dual Junction Microstrip Circulator

Magnetic Shield

Design Features
◆ Can be dual junction even three for high isolation.
◆ High RF performance, ultra-competitive price.
◆ Military, space and commercial applications.
◆ Custom design available upon request.
◆ Guaranteed for one year standard.

RF Characteristics

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Freq. Range (GHz)</th>
<th>Insertion Loss Max(dB)</th>
<th>Isolation Min(dB)</th>
<th>VSWR Max</th>
<th>Forward Power(W)</th>
<th>Reverse Power(W)</th>
<th>Connector Type</th>
<th>Temp.(°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UIYDMC109B8T12</td>
<td>8.0 ~ 12.0</td>
<td>0.65</td>
<td>1.0</td>
<td>14</td>
<td>16 28 16</td>
<td>1.35</td>
<td>10 5 Microstrip</td>
<td>-55 ~ +85</td>
</tr>
<tr>
<td>UIYDMC109B83T93</td>
<td>8.3 ~ 9.3</td>
<td>0.45</td>
<td>0.85</td>
<td>20</td>
<td>20 30 20</td>
<td>1.25</td>
<td>10 5 Microstrip</td>
<td>-55 ~ +85</td>
</tr>
<tr>
<td>UIYDMC109B9T96</td>
<td>9.0 ~ 9.6</td>
<td>0.45</td>
<td>0.85</td>
<td>20</td>
<td>20 30 20</td>
<td>1.25</td>
<td>10 5 Microstrip</td>
<td>-55 ~ +85</td>
</tr>
<tr>
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<td>0.5</td>
<td>0.9</td>
<td>20</td>
<td>20 30 20</td>
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<td>10 5 Microstrip</td>
<td>-55 ~ +85</td>
</tr>
<tr>
<td>UIYDMC109B10T11</td>
<td>10.0 ~ 11.0</td>
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<td>0.9</td>
<td>20</td>
<td>20 30 20</td>
<td>1.25</td>
<td>10 5 Microstrip</td>
<td>-55 ~ +85</td>
</tr>
</tbody>
</table>

² List are specify frequency range and other ranges available.
² Please enter below information when inquiry and mark * is must.
   * 1. The specific frequency range
   * 2. Power handling (Forward, Reverse, Peak, etc.)
   * 3. Other special request if have (Insertion Loss, Isolation, VSWR, Temperature, Dimension, etc.)

Mechanical Drawing

Unit: mm/ inch, General part tolerance is ±2% unless otherwise stated.

Ver. 5

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