MINI-SIZE SINGLE-MODE 3-PORT OPTICAL CIRCULATOR
(1310, 1550nm, or C+L Band)

Specifications
Contact Ascentta with your custom specification needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>1310, or 1550</th>
<th>C+L Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>nm</td>
<td>1310±20, or 1550±20</td>
<td>1530-1610</td>
</tr>
<tr>
<td>Transmitting Direction</td>
<td>-</td>
<td></td>
<td>1→2, 2→3</td>
</tr>
<tr>
<td>Isolation (All SOP) (2→1, or 3→2) (λc, 23℃)</td>
<td>Typ. dB</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Isolation (All SOP) (2→1, or 3→2) (23℃)</td>
<td>Min dB</td>
<td>40</td>
<td>35</td>
</tr>
<tr>
<td>Insertion Loss (All SOP) (1→2, or 2→3) (λc, 23℃)</td>
<td>Typ. dB</td>
<td>0.6</td>
<td>0.8</td>
</tr>
<tr>
<td>Insertion Loss (All SOP) (1→2, or 2→3) (23℃)</td>
<td>Max dB</td>
<td>0.8</td>
<td>1.0</td>
</tr>
<tr>
<td>PDL</td>
<td>Max dB</td>
<td>0.15</td>
<td>0.20</td>
</tr>
<tr>
<td>Return Loss</td>
<td>Min dB</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Directivity (1→3, or 3→1)</td>
<td>Min dB</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max mW</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Package Dimension</td>
<td>mm</td>
<td>Φ5.5 x L38</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>°C</td>
<td>-5 to 70</td>
<td></td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>°C</td>
<td>-40 to 85</td>
<td></td>
</tr>
</tbody>
</table>

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.
* SOP=State Of Polarization

Ordering Information
Contact Ascentta with your custom configuration needs.

<table>
<thead>
<tr>
<th>CIR</th>
<th>Port</th>
<th>Wavelength</th>
<th>Fiber Type</th>
<th>Fiber Length</th>
<th>Connector</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>3=3-P</td>
<td>13=1310nm</td>
<td>15=1550nm</td>
<td>159=1590nm</td>
<td>10=1.0m</td>
<td>NE=None</td>
<td>5.5x38 = Mini</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B=SMF-28, 250um</td>
<td>X=Others</td>
<td>15=1.5m</td>
<td>FA=PC/APC</td>
<td>(Φ5.5 x L38)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>L=SMF-28, 900um</td>
<td></td>
<td>20=2.0m</td>
<td>PC=PC/PC</td>
<td>X=Others</td>
</tr>
<tr>
<td></td>
<td></td>
<td>X=Others</td>
<td></td>
<td>30=3.0m</td>
<td>SA=SC/APC</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X=Others</td>
<td>ST=ST/PC</td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>LA=LC/APC</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LC=LC/PC</td>
<td></td>
</tr>
<tr>
<td>5.5x38 = Mini</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X=Others</td>
<td></td>
</tr>
</tbody>
</table>

Package Dimensions