1.85mm Directional Coupler 20 dB Coupled Port
From 6 GHz to 60 GHz Rated To 20 Watts

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>6</td>
<td>60</td>
<td>60</td>
<td>GHz</td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td></td>
<td>50</td>
<td>Ohms</td>
</tr>
<tr>
<td>Coupling</td>
<td>20 ±1</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Freq. Sensitivity</td>
<td>±2</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>1.8</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Directivity</td>
<td>7</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Main Line VSWR</td>
<td>2.5:1</td>
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</tr>
<tr>
<td>Input Power (CW)</td>
<td>20</td>
<td></td>
<td></td>
<td>Watts</td>
</tr>
<tr>
<td>Reverse Power (CW)</td>
<td>20</td>
<td></td>
<td></td>
<td>Watts</td>
</tr>
<tr>
<td>Input Power (Peak)</td>
<td>3</td>
<td></td>
<td></td>
<td>KWatts</td>
</tr>
</tbody>
</table>

**Mechanical Specifications**

**Size**
- Length: 1.06 in [26.92 mm]
- Width/Dia.: 0.625 in [15.88 mm]
- Height: 0.4 in [10.16 mm]
- Weight: 0.0582 lbs [26.4 g]

**Configuration**
- Input Connector: 1.85mm Female
- Output Connector: 1.85mm Female
- Coupled Connectors: 1.85mm Female

**Environmental Specifications**

**Temperature**
- Operating Range: -55 to +125 deg C

**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:
1.85mm Directional Coupler 20 dB Coupled Port From 6 GHz to 60 GHz Rated To 20 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: 1.85mm Directional Coupler 20 dB Coupled Port From 6 GHz to 60 GHz Rated To 20 Watts MC0660-20

URL: https://www.fairviewmicrowave.com/1.85mm-directional-coupler-20-db-60-ghz-20-watts-mc0660-20-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.
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**NOTES:**
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES (mm).

**STANDARD TOLERANCES**
- .X ±0.2
- .XX ±0.02
- .XXX ±0.010

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES*