SMA Male to Mini SMP Female Cable FM-F086 Coax

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>DC</td>
<td>18</td>
<td></td>
<td>GHz</td>
</tr>
<tr>
<td>VSWR</td>
<td></td>
<td></td>
<td>1.35:1</td>
<td></td>
</tr>
<tr>
<td>Velocity of Propagation</td>
<td>70.6%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacitance</td>
<td>28.95 [94.98]</td>
<td>pF/ft [pF/m]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mechanical Specifications

**Cable Assembly**
- Weight: 0.00529 lbs [2.4 g]

**Cable**
- Cable Type: FM-F086
- Impedance: 50 Ohms
- Inner Conductor Type: Solid
- Inner Conductor Material and Plating: Copper, Silver
- Dielectric Type: PTFE
- Number of Shields: 2
- Shield Layer 1: Silver Plated Copper Tape
- Shield Layer 2: Silver Plated Copper Braid
- Jacket Material: FEP, Blue
- Jacket Diameter: 0.104 in [2.64 mm]

Connectors

<table>
<thead>
<tr>
<th>Description</th>
<th>Connector 1</th>
<th>Connector 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>SMA Male</td>
<td>Mini SMP Female</td>
</tr>
<tr>
<td>Polarity</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ohms</td>
<td>50 Ohms</td>
</tr>
<tr>
<td>Contact Material &amp; Plating</td>
<td>Brass, Gold</td>
<td>Beryllium Copper, Gold</td>
</tr>
<tr>
<td>Contact Plating Spec.</td>
<td>MIL-G-45204</td>
<td></td>
</tr>
<tr>
<td>Dielectric Type</td>
<td>PTFE</td>
<td>PTFE</td>
</tr>
<tr>
<td>Hex Size</td>
<td>5/16 inch</td>
<td></td>
</tr>
<tr>
<td>Body Material &amp; Plating</td>
<td>Stainless Steel</td>
<td>Beryllium Copper, Gold</td>
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<tr>
<td>Body Plating Spec.</td>
<td>MIL-G-45204</td>
<td></td>
</tr>
</tbody>
</table>

Environmental Specifications

**Temperature**
- Operating Range: -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
**Typical Performance Data**

![Typical data from a 12 inch cable assembly, FMC0225085-12](image)

**How to Order**

Part Number Configuration:

FMC0225085 - xx uu

Example:  
FMC0225085-12 = 12 inches long cable  
FMC0225085-100cm = 100 cm long cable

SMA Male to Mini SMP Female Cable FM-F086 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMA Male to Mini SMP Female Cable FM-F086 Coax FMC0225085](https://www.fairviewmicrowave.com/sma-male-mini-smp-female-cable-hs086-coax-fmc0225085-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.
TITLE: SMA Male to Mini SMP Female Cable FM-F086 Coax

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].

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