FEATURES & BENEFITS

Patent pending contact design provides a true cylindrical coaxial contact and provides superior RF performance and excellent insertion/withdrawal characteristics.

30 dB return loss to 1 GHz ensures a high performance specification that outperforms competition.

Multiple PCB mount packages: surface mount, edge mount, right angle and straight.

Accommodates .022-.042 inch center conductor sizes.

APPLICATIONS

Cable Assemblies
CATV
CIMs
Head End Equipment
High Speed Cable Modems
Hybrid Fiber Coax Networks
Set Top Boxes

Type F Coaxial Connectors
Type F Connectors

Type F connectors are miniature threaded connectors used extensively in the cable television industry. The connectors feature a 3/8-32 threaded interface, and cable mounted connectors feature crimp termination. Amphenol’s line of F connectors are designed to meet the demands of high speed cable modems and customer interface units. Primary applications are for cable television (CATV), set top boxes, and cable modems.

Type F Receptacles Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>75 Ω</td>
</tr>
<tr>
<td>RF Leakage</td>
<td>-100 dB minimum @ 1 GHz</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-40°F to +140°F (-40°C to +60°C)</td>
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Type F Bulkhead Jacks Specifications

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<tr>
<td>Electrical</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>75 Ω</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>0-1 GHz</td>
</tr>
<tr>
<td>RF Leakage</td>
<td>-100 dB min @ 1 GHz</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-40°F to +140°F (-40°C to +60°C)</td>
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</tbody>
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Mechanical

- Coupling Nuts and Bodies: Brass
- Contact: Beryllium Copper, Phosphor bronze
- Ferrule: Brass/Copper
- Insulator: Polypropylene, TFE
- Plating: Body: Tin or Nickel Plate, Contact: Bright Tin Plated
- Ferrule: Tin Plated
- Mating: 3/8-32 threaded
- Cable Attachment: Hex braid crimp
- Cable Retention: 20 lb minimum

Type F Adapters Specifications

<table>
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Receptacle

- Accepts .022 - .042 dia. ctr. cond.
- 3/8-32 thd
- .08(2.0) dia.
- .28(7.1) dia.
- .09(2.3) dia.
- .72(18.3) dia.
- 7/16 hex
- Double d flat

Adapter

- 1/2 hex
- 3/8-32 thd typ.
- .022 - .042 dia. ctr. cond. typ.
- .09(2.9) dia.
- 1.21(30.7) dia.
- .38(9.7) dia.

Bulkhead Jack

- Accepts .022 - .042 dia. ctr. cond.
- 3/8-32 thd
- .06(1.5) dia.
- .07(1.8) dia.
- .08(2.0) dia.
- 7/16 hex