# Amphenol<sup>®</sup> RF

**Global RF Solutions** 

## **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 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**

Electrical Impedance RF Leakage Temperature Range

75 Ω -100 dB minimum @ 1 GHz -40°F to +140°F (-40°C to +60°C)

#### **Type F Bulkhead Jacks Specifications**

Electrical Impedance Frequency Range RF Leakage Temperature Range

75 Ω 0-1 GHz -100 dB min @ 1GHz -40°F to +140°F (-40°C to +60°C)

#### Mechanical

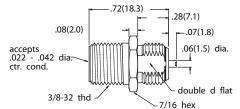
Coupling Nuts and Bodies Contact Ferrule Insulator Plating

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

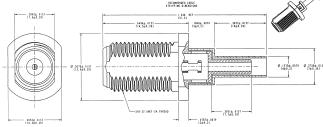
#### **Type F Adapters Specifications**

ElectricalImpedance75 ΩRF Leakage-100 dB Minimum @ 1 GHzTemperature Range-40°F to +140°F (-40°C to +60°C)

#### Receptacle



#### **Bulkhead Jack**



Amphenol RF • 4 Old Newtown Road • Danbury, CT 06810 Telephone: 800.627.7100 • Fax: 203.796.2032 Amphenol RF Asia • Gong Ming Town • Bao An District Shenzen 518132, P.R. China Telephone: 86.755.2717.7843 • Fax: 86.755.2717.7845 www.amphenolrf.com



