Amphenol[®] 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

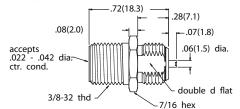
Coupling Nuts and Bodies Contact Ferrule Insulator Plating

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

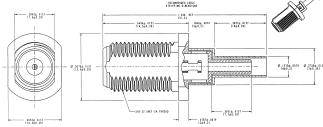
Type F Adapters Specifications

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

Receptacle



Bulkhead Jack



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