

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 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

Electrical

Impedance	75 Ω
RF Leakage	-100 dB minimum @ 1 GHz
Temperature Range	-40°F to +140°F (-40°C to +60°C)

Type F Bulkhead Jacks Specifications

Electrical

Impedance	75 Ω
Frequency Range	0-1 GHz
RF Leakage	-100 dB min @ 1GHz
Temperature Range	-40°F to +140°F (-40°C to +60°C)

Mechanical

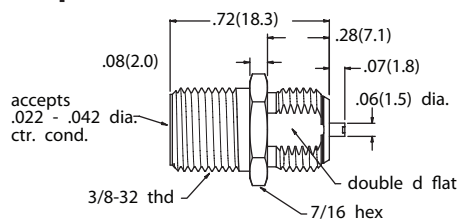
Coupling Nuts and Bodies	Brass
Contact	Beryllium Copper, Phosphor bronze
Ferrule	Brass/Copper
Insulator	Polypropylene, TFE
Plating	Body: Tin or Nickel Plate Contact: Bright Tin Plated
Ferrule:	Tin Plated
Mating	3/8-32 threaded
Cable Attachment	Hex braid crimp
Cable Retention	20 lb minimum

Type F Adapters Specifications

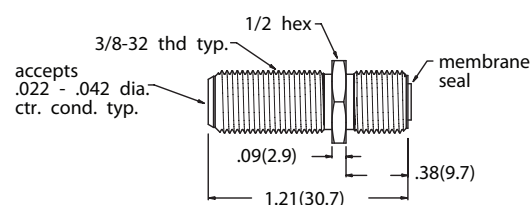
Electrical

Impedance	75 Ω
RF Leakage	-100 dB Minimum @ 1 GHz
Temperature Range	-40°F to +140°F (-40°C to +60°C)

Receptacle



Adapter



Bulkhead Jack

