

# Sub-band Diplexer For Cable Modems & Cable Simulators

## 11194 Sub-band Diplexer

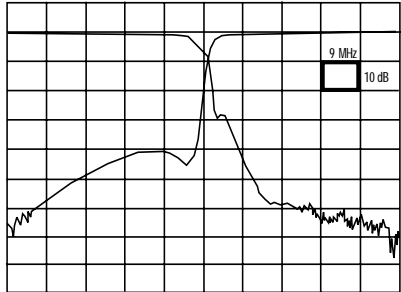


### 11194 Series

The Model 11194 Sub-band diplexer is used by cable systems to divide the frequency spectrum for Internet access/local area network (LAN) and cable television service.

#### Specifications:

- Passband: ..... 5-42 MHz  
54-750 MHz
- Passband Insertion Loss: ..... 1 dB Typ
- Group Delay: ..... 30 nanoseconds Max over first 6 MHz of each band edge  
15 nanoseconds Max over any other 6 MHz band edge
- Isolation: ..... 30 dB Min



Typical Frequency Response of 11194

#### Mechanical Specifications:

- PC mount with "F" connector on common output
- Other connector options available upon request
- Dimensions: 2.5" x 1.2" x .8"
- Rack Mount Available Upon Request

## 11649 Cable Simulator



### 11649 Series

The Model 11649 simulates a 200 foot length of RG-59 cable. Its compact design is convenient for bench top testing.

#### Specifications:

- Passband Insertion Loss: ..... 5 dB at 50 MHz Max  
20 dB at 750 MHz Max

#### Other Amplitude Equalizers Available:

- Cable Equalizers
- Amplitude Tilt Equalizers
- Fixed Attenuators



Typical Frequency Response of 11649

#### Mechanical Specifications:

- Connectors: 75 ohm - Type "F" - Male/Female
- Dimensions: 4.0" x 1.5" x 1.0"
- Rack Mount Available Upon Request