# Plug Style Attenuator

Amphenol's Plug Style Attenuator is compact in size, offer attenuation values from 0-20dB and is available in industry standard connector styles FC and SC with either flat or angle polish.

Amphenol's plug style attenuators use light absorption technology as opposed to scattering. This eliminates the scattering of light into the fiber cladding that could be reflected back from the connector interface. With the start distance from connector end-face to end-face, the reflected light creates interferences that in turn crate insertion loss variation as the wavelength changes

## Features/Benefits

- Wavelength independent for multiple wavelength system compatibility
- Available in FC and SC configurations
- Polarization insensitive
- Compact plug style design easily fits into existing patch panels
- Available in 1 dB through 20 dB attenuation values
- Meets Telcordia GR-910 specifications

## Specifications

**Attenuation Values:**

≤ 5 dB ± 0.5 dB

≥ 6 dB ± 10% of nominal value

**Back Reflection/Return Loss:**

Ultra Polish ≤ -55 dB

Angle Polish ≤ -65 dB

**Operating Temperature:**

-40º C to 80º C

**Operating Wavelengths:**

1310/1550nm (Center wavelength)

**Operating Band Pass:**

1260 to 1360nm and 1430 to 1580nm

**PDL:**

≤ 0.2 dB

Amphenol
FIBER OPTIC PRODUCTS

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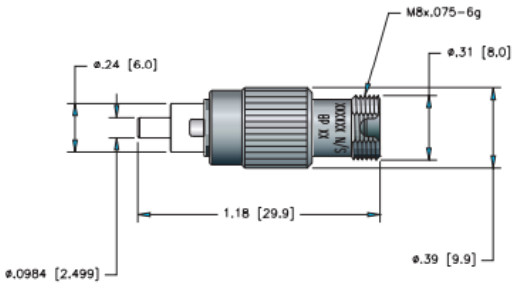
sales@amphenol-fiberoptics.com
Customer Service 800-944-6446

# Ordering Information

| 9 | XX | - | 13 | X | - | 51 | XX |
|---|---|---|---|---|---|---|---|
| | • 44 = FC<br>• 54 = SC<br>• 56 = LC | | | • 0 = Flat Polish<br>• 3 = Angle Polish | | | • dB Value(e.i. 05 = 5 dB) |

944-130-50XX

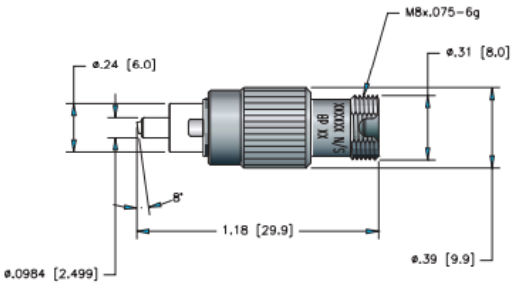



FC Plug Attenuator

in[mm]

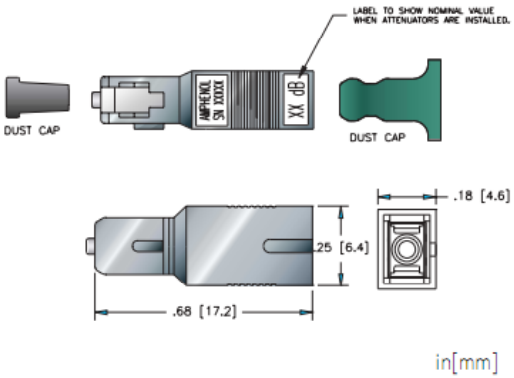
944-133-50XX

**8° Angle Polish**




in[mm]

954-130-50XX

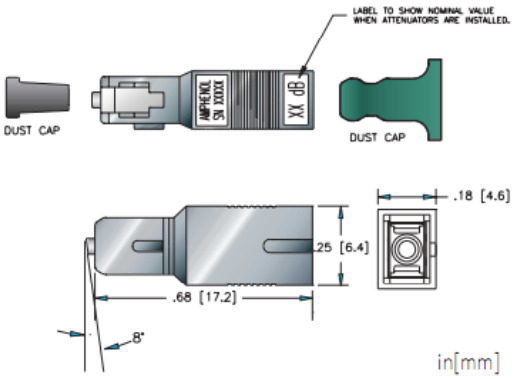



SC Plug Attenuator

in[mm]

954-133-50XX

**8° Angle Polish**




in[mm]

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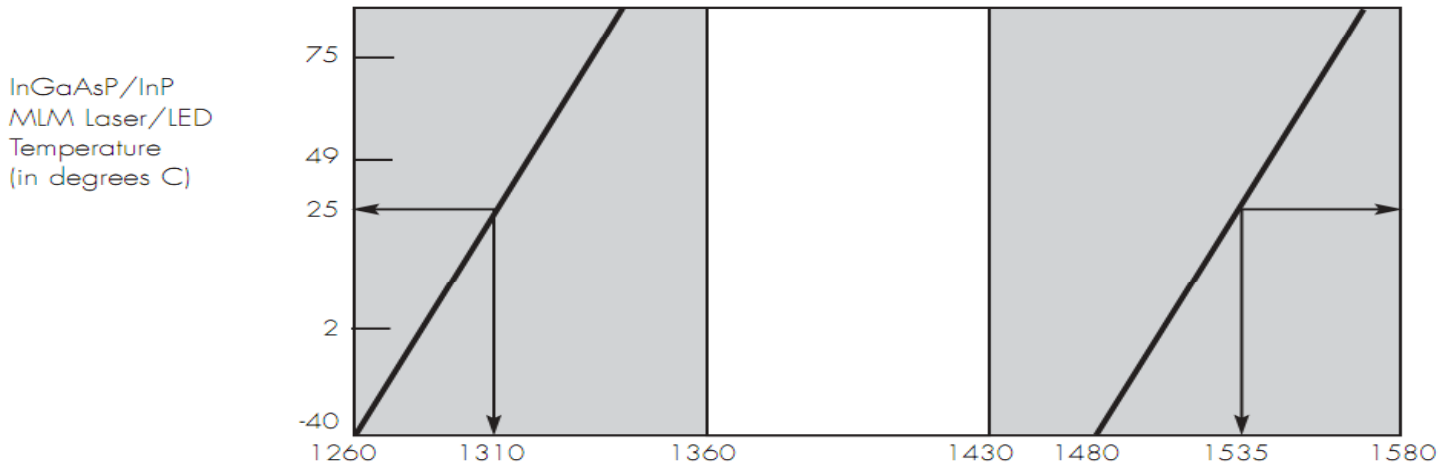
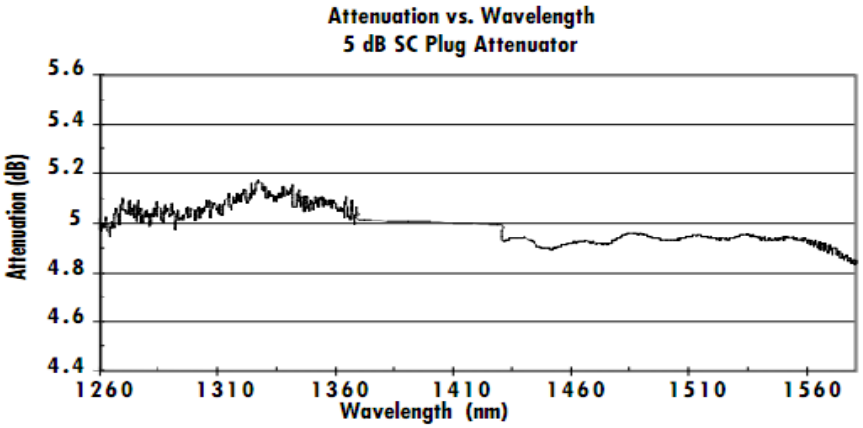
Amphenol's 944, 954 & 956 fixed plug style attenuators are fully qualified to Telcordia GR-910 requirements. The all fiber construction is prove to be ideally suited for optical networks with both controlled and uncontrolled temperatures, where the source wavelength can vary due to ambient temperature. The attenuators are used in digital, sonet, and video optical networks.

## Plug Testing

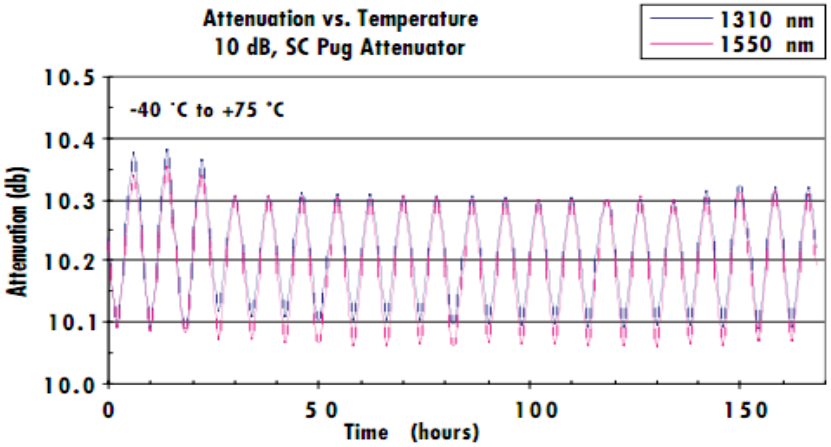



## Comparison Graphs

Operating Wavelength




Temperature Cycling

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