

Plug Attenuators

Amphenol's plug-style attenuator is compact in size, offers attenuation values from 0-20dB, and is available in LC, SC, and FC industry standard connector styles, with either flat or angle polish.

Amphenol's attenuators use light absorption technology. This eliminates the scattering of light into the fiber cladding that could be reflected back from the connector interface.

With the short distance between connector end faces, the reflected light creates interferences that in turn create the desired insertion loss variation as the wavelength changes.



Features and Benefits

Available in LC, FC, and SC configurations

Wavelength independent for multiple wavelength system compatibility

Compact plug style design easily fits into existing patch panels

Available in 1dB through 20dB attenuation values

Polarization insensitive

Compact plug style design easily fits into existing patch panels

Specifications

Attenuation values:

$\leq 5\text{dB} \pm 0.5\text{dB}$

$> 6\text{dB} \pm 10\%$ of nominal value

Return Loss:

$\leq -55\text{dB}$ Ultra Polish (UPC)

$\leq -65\text{dB}$ S/M Angle Polish (APC)

Operating Temperature:

-40 to +80°C

Operating Wavelengths: 1310/1550nm (center wavelength)

Operating Band Pass:

1260nm to 1360nm and 1430nm to 1580nm

PDL:

$\leq 0.2\text{dB}$

$\leq 5\text{dB} \pm 0.5\text{dB}$

Applications

Data Centers

IT/Datacom

Industry Compliance

RoHS compliant

Meets GR-910 specifications

Connectors comply to applicable TIA/EIA and IEC intermateability standards