

Plug-Type (Male/Female) Attenuators CAA series – Singlemode CAA

Description:

The plug-type singlemode attenuators are used directly on the ends of fiberoptic jumpers prior to installation in adapters. These attenuators provide a fixed level of attenuation and feature excellent return loss. Low wavelength dependency determines them for using in WDM and DWDM transmission systems. The CAA series attenuators are available in UPC or APC polish for SC, FC and LC connectors and UPC for ST and MU connectors.



Features:

- Precise attenuation
- Return loss: UPC 50 dB
APC 60 dB
- Low ripple broadband design for operation at wavelength 1250 to 1650 nm
- Attenuation range for SC, FC, ST, LC and MU types 1, 5, 10, 15, 20 and 30 dB
- High power endurance

Application:

- Fiberoptic systems
- Receiver padding for optical receiver protection
- Optical power equalization
- Linearity and dynamic range testing in laboratory equipment

SPECIFICATIONS	
Parameter	
Attenuation range	1, 5, 10, 15, 20 and 30 dB
Operational Wavelength	1250 to 1650 nm
Stability ¹	
Attenuation range 1 dB	±0.5 dB
Attenuation range 5 dB	±0.8 dB
Attenuation range >10 dB	±10%
Return Loss	
UPC Polishing	≥50 dB
APC Polishing	≥60 dB
Power Durability	250mW
Operating Temperature	-25 to 70 °C
Storage Temperature	-40 to 80 °C

1) -40 to +80 °C over 10 cycles

In-Line Attenuators

Description:

The In-Line attenuators provide a fixed level of attenuation and feature excellent return loss. Low cost and performance determine them for universal use in optical networks.



Features:

- Return loss: >50 dB
- Insertion loss: on customer's demands
- Fiber or cable version
- Pigtail with connector by specification

Application:

- Fiberoptic systems
- Receiver padding for optical receiver protection
- Optical power equalization
- Linearity and dynamic range testing in laboratory equipment

SPECIFICATIONS	
Loss	5, 10, 15, 20, 25, 30 dB \pm 10%
Wavelength SM	1310 nm, 1550 nm, 1625 nm
Wavelength MM	1300 nm, 850 nm
Return Loss	>50 dB
Type	Fibre, Cable
Length	By specification
Operation Temperature	-40 to 75 °C Temperature stability 0.0005dB / °C