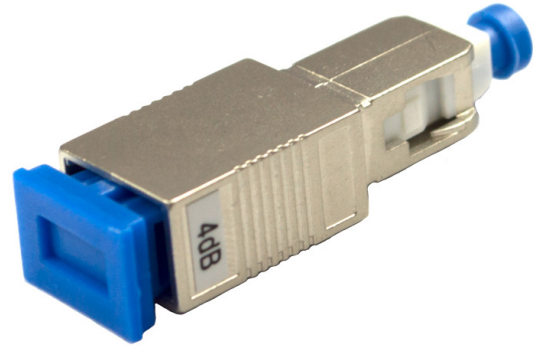


Attenuators

Fiber attenuators are used to control the power level of optical communication signals at the output of the light source and E/O converters. They are also used for the testing of linearity and dynamic range in photosensors.

ARIA attenuators are Telcordia GR-910-CORE compliant. Attenuation variations of 5% for <10 dB and 10% for >10 dB ensure accurate power output.



Testing

Water Immersion - 7 days in 43°C, 5.5 pH water
 Vibration - 10-55 Hz freq, 1.52 mm amp for 2 hours
 Flex Test - 100 cycles with a 0.5 lb or 2 lb load
 Twist Test - 10 cycles with a 1.1 lb, 1.65 lb, or 3 lb load

Side Pull - 0.55 lb or 2.75 lb load at a 90 degree angle
 Cable Retention - 1 lb, 1.54 lb, or 4.4 lb load for 1 min
 Durability - 200 mating cycles with 3 ft, 4.5 ft, or 6 ft length
 Impact Test - 8 cycles with a 6 ft drop on 3 different axes

Features

Precise attenuation values
 Environmentally stable and reliable
 Excellent return loss
 Bidirectional
 No air gap

Applications

Telecommunications
 CATV
 Fiber-to-the-home
 Local Area Network
 (LAN) Test Equipment

Specifications

Attenuation Range: 3~20 dB
 Operating Temperature: -40 to 75 °C
 Storage Temperature: -50 to 85 °C
 Return Loss UPC: >55dB
 Return Loss APC: >60dB

Part Number



1 Connector Type

Singlemode
 SCU = SC/UPC
 SCA = SC/APC
 LCU = LC/UPC
 LCA = LC/APC
 FCU = FC/UPC
 FCA = FC/APC
 STU = ST/UPC

Multimode
 SCM = SC
 LCM = LC
 FCM = FC
 STM = ST

2 Wavelength

35 = Singlemode 1310 nm and 1550 nm
 85 = Multimode 850 nm
 03 = Multimode 1300 nm
 83 = Multimode 850 nm and 1300 nm

3 dB Value

01 = 1 dB 10 = 10 dB
 03 = 3 dB 15 = 15 dB
 05 = 5 dB 20 = 20 dB
 Custom Values are Available

4 Multimode Specifications

3 = OM3 Aqua Body
 4 = OM4 Violet Body
 5 = 50 μm
 6 = 62.5 μm
 Leave blank for Singlemode