

Professionally approved products.

Datasheet

Single Mode 5dB Attenuator

RS Stock number 536-7910



Features

- Plug-In type package
- Accurate attenuation
- Ultra low back reflection
- Broad wavelength band
- Available with SC, FC, LC and MU packages
- Flat Response over all wavelengths
- Environmentally Stable
- Quick Delivery

Applications

- Telecommunication Networks
- Fibre optic sensors
- Test and measurement
- CATV
- LAN and WAN
- FTTx

Descriptions

Single mode attenuators are used in communication systems to reduce optical power launched onto the photo detector. These high performances devices are designed to give accurate attenuation over a wide range of wavelengths. The plug type configuration allows you to use directly on the ends of the fibre jumpers and to insert directly in to the adapter.

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Description

The Optronics optical attenuators are manufactured using the best quality components.

For full information on the full range FibreFab products, please contact the address below for a data sheet.

Dimensions

FC — 10mm (diameter) x 30mm (L)
 SC — 35mm (L) x 12.7mm (W) x 9.5mm (D)

Intermateability

Optically and mechanically compatible with all equivalent connectors.
 Compliant with IEC 874-14.

Product Packaging

Each attenuator is packaged individually.

Temperature Cycling

(IEC 874-1 sec. 4.5.22)
 -40 to +75°C, 40 cycles
 =0.2dB Change

High Temperature:

(IEC 874-1 sec. 4.5.18)
 75°C for 96 hours
 =0.2dB Change

Damp Heat:

(IEC 874-1 sec. 4.5.19)
 60°C at 95% RH, 96 hours
 =0.2dB Change

Vibration (Mated Pair):

(IEC 874-1 sec. 4.5.1)
 10-55 Hz, 1.5mm P to P
 =0.3dB Change

Mating Durability:

(IEC 874-1 sec. 4.5.32)
 1000 mating cycles
 Clean every 25
 < 0.2 dB Change

Operating Temperature

-40°C to +85°C

Connector type

SC / FC / LC / MU

Available Range of attenuation

1 to 30 dB with 1dB increments
 (or custom attenuation within this range)

Operating Wavelength

1310nm and 1550nm (Or single wavelength)

Operating Band pass

Digital Band (BellcoreSpec.)	1260-1360nm and 1430-1580nm
S + C + L Band	1480-1610nm
Special Bandpass	1310±25nm and 1470-1610nm
Single Window	1280-1340nm or 1510-1590nm
Dual Window	1310 and 1550nm (±25nm)

Attenuation Tolerance

Attenuators ≤ 5dB	± 0.5 dB
Attenuators, 6 to 30 dB	± 10% of attenuation

Reflectance

SPC ≤ 50 dB
 UPC ≤ 55 dB
 APC ≤ 60 dB

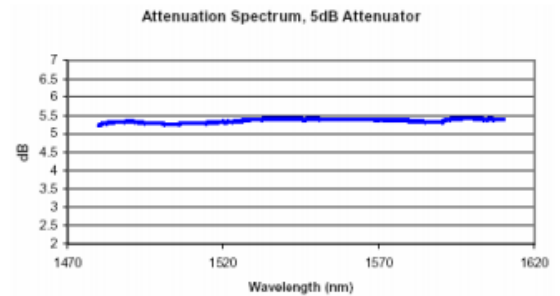
International Standard

Telcordia GR-910-CORE

Ordering Information

FA - [] - [] - []

SC	S= Singlemode	05= 5dB
SC/APC	M= Multimode	10= 10dB
FC		15= 15dB
FC/APC		20= 20dB
LC		25= 25dB
MU		



Other versions available to special order