

Professionally approved products.

Datasheet

Single Mode 5dB Attenuator

RS Stock number 536-7932



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

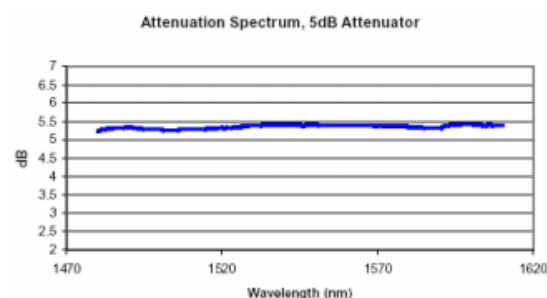
Ordering Information

FA — [] — [] — []

SC
SC/APC
FC
FC/APC
LC
MU

S= Singlemode
M= Multimode

05= 5dB
10= 10dB
15= 15dB
20= 20dB
25= 25dB



Other versions available to special order