



Features:

- Excellent environmental stability
- Attenuation stability
- Excellent return loss
- Polarization insensitive
- Easy installation

Applications:

Telecommunications systems
Local area networks
CATV
Subscribe loop
Test equipment
Optical fiber sensors

Specifications:

Wavelength : 1310 / 1550 \pm 40 nm
Insertion loss :
1 to 5 db \pm 0.75
6 to 10 db \pm 1
> 11 db \pm 15%
Return loss : PC > 45 dB: APC > 65 dB
Temperature ranges and humidity : Storage temperature : -55°C to 80°C
Operating temperature : -40°C to 75°C

Test Condition:

All tests shall be performed as bellow conditions unless otherwise specified
Temperature range : 23°C \pm 2°C (73°F \pm 4°F)
Humidity range : Less than 75% RH

Optical Measurements:

The requirement for the optical measurement facility are the following:
Capability of measuring optical loss and reflectance at both 1,310 nm and 1,550 nm
Central wavelength of the sources : 1,310 \pm 20 nm and 1,550 \pm 20 nm
Spectral width of the sources : Less then 75 nm
Accuracy in measurement of loss : \pm 0.05 dB
Accuracy in measurement of reflectance : \pm 2 dB down to at least -60 dB

Fiber Optic Attenuators

Unless otherwise specified
dimension tolerances are

Decimals:

.X ±0.05

.XX ±0.01

.XXX ±0.005

Angular : ±0.5

Part Number Table

Description	Attenuation	Part Number
Fiber Optic Attenuator	5 dB	SPC22768
Fiber Optic Attenuator	10 dB	SPC22769
Fiber Optic Attenuator	15 dB	SPC22770
Fiber Optic Attenuator	20 dB	SPC22771

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-SIGNAL is the registered trademark of the Group. © Premier Farnell plc 2012.