



Dimensions : Millimetres



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 | : 1,310 / 1,550 \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 than 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 Adapters

Unless otherwise specified
dimension tolerances are

Decimals:

.X ± 0.05
.XX ± 0.01
.XXX ± 0.005

Angular : ± 0.5

Part Number Table

| Description | Attenuation | Connector Type | Part Number |
|---------------------|-------------|----------------------------|-------------|
| Fiber Optic Adapter | 5 dB | SC Fiber Optic Attenuator | SPC22776 |
| Fiber Optic Adapter | 10 dB | SC Fiber Optic Attenuator | SPC22777 |
| Fiber Optic Adapter | 15 dB | SC Fiber Optic Attenuator | SPC22778 |
| Fiber Optic Adapter | 20 dB | SC Fiber Optic Attenuator | SPC22779 |
| Fiber Optic Adapter | 5 dB | SCA Fiber Optic Attenuator | SPC22780 |
| Fiber Optic Adapter | 10 dB | SCA Fiber Optic Attenuator | SPC22781 |
| Fiber Optic Adapter | 15 dB | SCA Fiber Optic Attenuator | SPC22782 |
| Fiber Optic Adapter | 20 dB | SCA Fiber Optic Attenuator | SPC22783 |

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