



Dimensions : Millimteres

## 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 ±40 nm
Insertion loss	: 1 to 5 dB ±0.75 6 to 10 dB ±1 > 11 dB ±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 ±2°C (73°F ±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 ±20 nm and 1,550 ±20 nm  
Spectral width of the sources : Less than 75 nm  
Accuracy in measurement of loss : ±0.05 dB  
Accuracy in measurement of reflectance : ±2 dB down to at least -60 dB

# Fiber Optic Attenuators

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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	SPC22772
Fiber Optic Attenuator	10 dB	SPC22773
Fiber Optic Attenuator	15 dB	SPC22774

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