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 below 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

Unless otherwise specified
dimension tolerances are

Decimals:
.X ±0.05
.XX ±0.01
.XXX ±0.005
Angular: ±0.5

Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Attenuation</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber Optic Attenuator</td>
<td>5 dB</td>
<td>SPC22772</td>
</tr>
<tr>
<td>Fiber Optic Attenuator</td>
<td>10 dB</td>
<td>SPC22773</td>
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<tr>
<td>Fiber Optic Attenuator</td>
<td>15 dB</td>
<td>SPC22774</td>
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