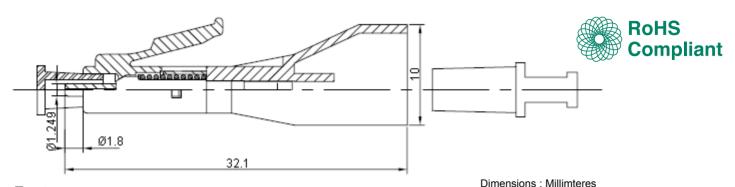
Fiber Optic Attenuators





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 shell be performed as bellow conditions unless otherwise specified

Temperature range : $23^{\circ}\text{C} \pm 2^{\circ}\text{C} (73^{\circ}\text{F} \pm 4^{\circ}\text{F})$ 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 $: 1,310 \pm 20 \text{ nm}$ and 1,550 $\pm 20 \text{ nm}$

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

www.element14.com www.farnell.com www.newark.com www.cpc.co.uk



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

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