

FC Plug type Attenuator



Fiber Attenuator/Terminator - Plug Type Attenuator

Lightem Plug type attenuators are used in the network to reduce optical power launched onto the photo detector. These high performance devices are designed to give accurate attenuation over a wide range of wavelengths. The plug type configuration allows you to use directly on the ends of the fiber jumpers and to insert directly in to the adapter. Available in PC or APC finish providing ultra low return loss. Lightem attenuators come to you from a world class manufacturing facility plant, suitable for applications in computer networking, telecommunications and cable TV etc.

Features

- Plug-in type package
- Accurate attenuation
- Ultra low back reflection
- Broad wavelength band
- Flat response over broad wavelengths
- Environmentally Stable

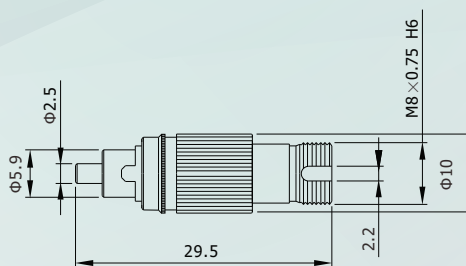
Applications

- Passive optical networks
- Overpowered fiber optic systems
- Optical power receiver protection
- Multi-wave-length systems balancing
- EDFA loop tests and measurements

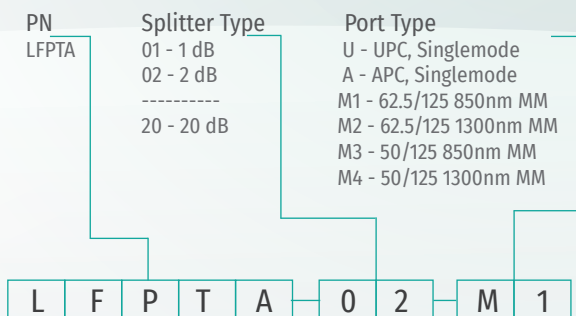
Specifications

Parameters	Singlemode	Multimode
Attenuation value	1 dB ~ 20 dB	1 dB ~ 20 dB
Operating wavelength	1310 / 1550 nm	850 or 1300 nm
Return Loss	≤-50dB (UPC) ≤-60dB (APC)	-----
Attenuation Tolerance	1 ~ 7 dB	± 0.5 dB
	8 ~ 12 dB	± 0.7 dB
	13 ~ 17 dB	± 1.0 dB
	18 ~ 20 dB	± 1.3 dB
Polarization Dependent Loss	<0.1 dB	-----
Operating Temperature Range	-40°C to + 85°C	-40°C to + 85°C
Storage Temperature Range	-40°C to + 85°C	-40°C to + 85°C

Product Diagram



Ordering information



* Ordering Code Example

SC Plug Type Attenuator



Features

- Plug-in type package
- Accurate attenuation
- Ultra low back reflection
- Broad wavelength band
- Flat response over broad wavelengths
- Environmentally Stable

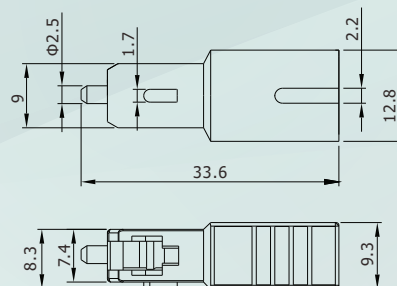
Applications

- Passive optical networks
- Overpowered fiber optic systems
- Optical power receiver protection
- Multi-wave-length systems balancing
- EDFA loop tests and measurements

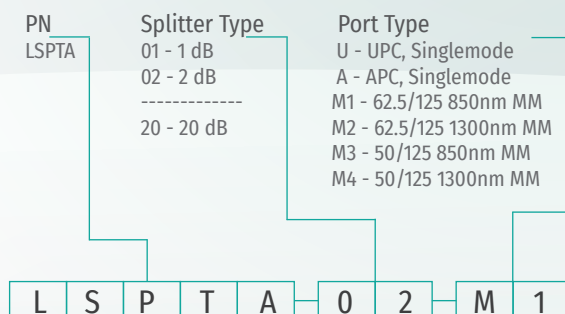
Specifications

Parameters	Singlemode	Multimode
Attenuation value	1 dB ~ 20 dB	1 dB ~ 20 dB
Operating wavelength	1310 / 1550 nm	850 or 1300 nm
Return Loss	≤-50dB (UPC) ≤-60dB (APC)	
Attenuation Tolerance		
	1 ~ 7 dB	± 0.5 dB
	8 ~ 12 dB	± 0.7 dB
	13 ~ 17 dB	± 1.0 dB
	18 ~ 20 dB	± 1.3 dB
Polarization Dependent Loss	<0.1 dB	
Operating Temperature Range	-40°C to +85°C	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C	-40°C to +85°C

Product Diagram



Ordering information



* Ordering Code Example

ST Plug Type Attenuator



Features

- Plug-in type package
- Accurate attenuation
- Ultra low back reflection
- Broad wavelength band
- Flat response over broad wavelengths
- Environmentally Stable

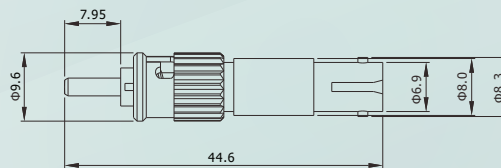
Applications

- Passive optical networks
- Overpowered fiber optic systems
- Optical power receiver protection
- Multi-wave-length systems balancing
- EDFA loop tests and measurements

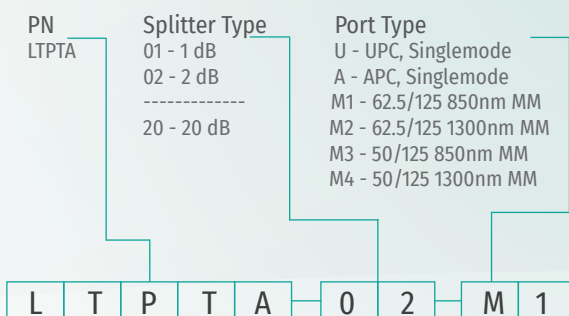
Specifications

Parameters		Singlemode	Multimode
Attenuation value		1 dB ~ 20 dB	1 dB ~ 20 dB
Operating wavelength		1310 / 1550 nm	850 or 1300 nm
Return Loss		≤-50dB (UPC) ≤-60dB (APC)	
Attenuation Tolerance	1 ~ 7 dB	± 0.5 dB	± 0.5 dB
	8 ~ 12 dB	± 0.7 dB	± 0.7 dB
	13 ~ 17 dB	± 1.0 dB	± 1.0 dB
	18 ~ 20 dB	± 1.3 dB	± 1.3 dB
Polarization Dependent Loss		<0.1 dB	-----
Operating Temperature Range		-40°C to + 85°C	-40°C to + 85°C
Storage Temperature Range		-40°C to + 85°C	-40°C to + 85°C

Product Diagram



Ordering information



* Ordering Code Example

LC Plug Type Attenuator



Features

- Plug-in type package
- Accurate attenuation
- Ultra low back reflection
- Broad wavelength band
- Flat response over broad wavelengths
- Environmentally Stable

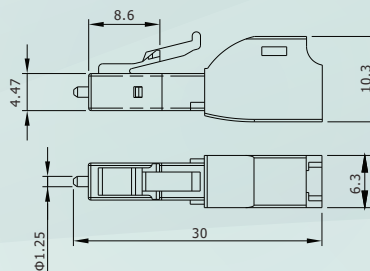
Applications

- Passive optical networks
- Overpowered fiber optic systems
- Optical power receiver protection
- Multi-wave-length systems balancing
- EDFA loop tests and measurements

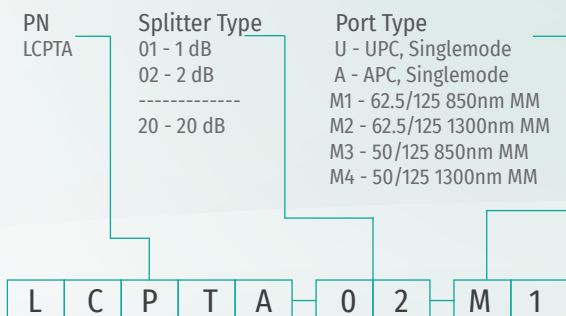
Specifications

Parameters	Singlemode	Multimode
Attenuation value	1 dB ~ 20 dB	1 dB ~ 20 dB
Operating wavelength	1310 / 1550 nm	850 or 1300 nm
Return Loss	≤-50dB (UPC) ≤-60dB (APC)	-----
Attenuation Tolerance	± 0.5 dB	± 0.5 dB
	± 0.7 dB	± 0.7 dB
	± 1.0 dB	± 1.0 dB
	± 1.3 dB	± 1.3 dB
Polarization Dependent Loss	<0.1 dB	-----
Operating Temperature Range	-40°C to +85°C	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C	-40°C to +85°C

Product Diagram



Ordering information



* Ordering Code Example

MU Plug Type Attenuator



Features

- Plug-in type package
- Accurate attenuation
- Ultra low back reflection
- Broad wavelength band
- Flat response over broad wavelengths
- Environmentally Stable

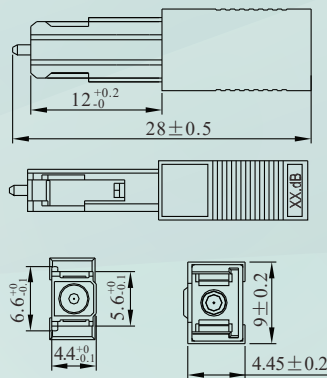
Applications

- Passive optical networks
- Overpowered fiber optic systems
- Optical power receiver protection
- Multi-wave-length systems balancing
- EDFA loop tests and measurements

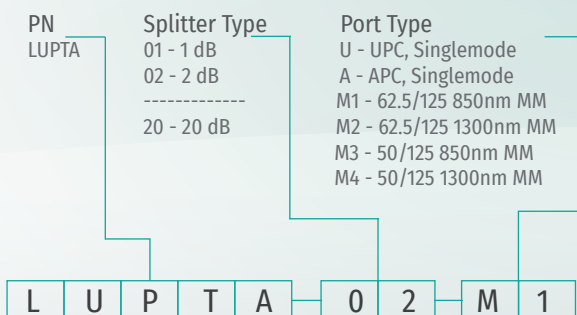
Specifications

Parameters	Singlemode	Multimode
Attenuation value	1 dB ~ 20 dB	1 dB ~ 20 dB
Operating wavelength	1310 / 1550 nm	850 or 1300 nm
Return Loss	≤-50dB (UPC) ≤-60dB (APC)	-----
Attenuation Tolerance		
	1 ~ 7 dB	± 0.5 dB
	8 ~ 12 dB	± 0.7 dB
	13 ~ 17 dB	± 1.0 dB
	18 ~ 20 dB	± 1.3 dB
Polarization Dependent Loss	<0.1 dB	-----
Operating Temperature Range	-40°C to + 85°C	-40°C to + 85°C
Storage Temperature Range	-40°C to + 85°C	-40°C to + 85°C

Product Diagram



Ordering information



* Ordering Code Example

D4 Plug Type Attenuator



Features

- Plug-in type package
- Accurate attenuation
- Ultra low back reflection
- Broad wavelength band
- Flat response over broad wavelengths
- Environmentally Stable

Applications

- Passive optical networks
- Overpowered fiber optic systems
- Optical power receiver protection
- Multi-wave-length systems balancing
- EDFA loop tests and measurements

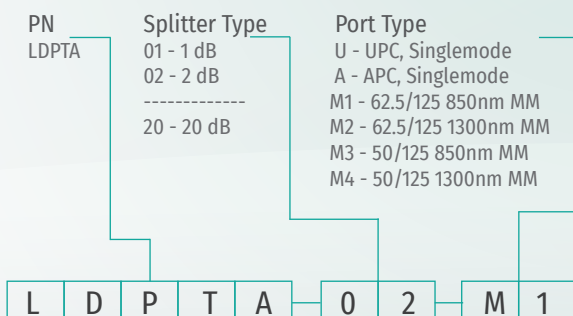
Specifications

Parameters		Singlemode	Multimode
Attenuation value		1 dB ~ 20 dB	1 dB ~ 20 dB
Operating wavelength		1310 / 1550 nm	850 or 1300 nm
Return Loss		≤-50dB (UPC) ≤-60dB (APC)	
Attenuation Tolerance	1 ~ 7 dB	± 0.5 dB	± 0.5 dB
	8 ~ 12 dB	± 0.7 dB	± 0.7 dB
	13 ~ 17 dB	± 1.0 dB	± 1.0 dB
	18 ~ 20 dB	± 1.3 dB	± 1.3 dB
Polarization Dependent Loss		<0.1 dB	-----
Operating Temperature Range		-40°C to + 85°C	-40°C to + 85°C
Storage Temperature Range		-40°C to + 85°C	-40°C to + 85°C

Product Diagram



Ordering information



* Ordering Code Example