OPTICAL ATTENUATOR [OLATT-x-x]

Fiber Products, Accessory

Taikan
ESTD. 1973

Description

Taikan's optical line attenuator is a device which precisely reduces an optical signal from point to point. It is most commonly employed in optical networks where erbium-doped fiber amplifiers are being used. The attenuator allows customers to adjust optical signal levels, thereby increasing network flexibility and providing optimal management of optical power.

The optical attenuator unit is extremely compact and offers attenuation values from 1 ~ 15 dB. It is available with single and multi-mode plug types, MU and ST standard connectors, as well as APC versions of SC, FC, and LC.
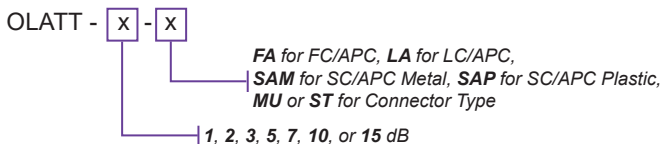
These high quality attenuators can be used in a variety of applications within the telecom, CATV, datacom, medical, and military industries.

Features

- Fixed Attenuation
- Excellent Optical Performance
- Low Reflection Meets Stringent System Requirements
- Backwards Compatible with Existing Transmission Equipment
- Operates in the Broad Range of Communication Wavelengths
- Meets High Density Requirements for Cost and Space Savings
- Design Flexibility with Various Connector Style Options and Attenuation Levels
- Designed to Provide Flat Spectral Attenuation Required to Function on all Wavelengths

Ordering Information

OLATT - [x] - [x]

FA for FC/APC, **LA** for LC/APC,
SAM for SC/APC Metal, **SAP** for SC/APC Plastic,
MU or **ST** for Connector Type

1, 2, 3, 5, 7, 10, or *15* dB

Specifications

Attenuation:	1 ~ 15 dB
Attenuation Tolerance:	1 ~ 10 dB ≤ ± 0.5 dB
	11 ~ 25 dB ≤ ± 1.0 dB
Return Loss:	PC ≤ -45 dB;
	UPC ≤ -50 dB;
	APC ≤ -60 dB
Polarization Dependent Loss:	≤ 0.1 dB
Operation Wavelength:	1310 nm, 1490 nm, 1550 nm (SM)
Operating Temperature:	-40°C - 75°C (-40°F ± 167°F)
Storage Temperature:	-40°C ~ 85°C (-40°F ± 185°F)

Model	dB	Connector Type
OLATT-1-FA	1	FC/APC connector, 1310/1550, female-male type, metal
OLATT-2-FA	2	FC/APC connector, 1310/1550, female-male type, metal
OLATT-3-FA	3	FC/APC connector, 1310/1550, female-male type, metal
OLATT-5-FA	5	FC/APC connector, 1310/1550, female-male type, metal
OLATT-7-FA	7	FC/APC connector, 1310/1550, female-male type, metal
OLATT-10-FA	10	FC/APC connector, 1310/1550, female-male type, metal
OLATT-15-FA	15	FC/APC connector, 1310/1550, female-male type, metal
OLATT-1-LA	1	LC/APC connector, 1310/1550, female-male type, plastic
OLATT-2-LA	2	LC/APC connector, 1310/1550, female-male type, plastic
OLATT-3-LA	3	LC/APC connector, 1310/1550, female-male type, plastic
OLATT-5-LA	5	LC/APC connector, 1310/1550, female-male type, plastic
OLATT-7-LA	7	LC/APC connector, 1310/1550, female-male type, plastic
OLATT-10-LA	10	LC/APC connector, 1310/1550, female-male type, plastic
OLATT-15-LA	15	LC/APC connector, 1310/1550, female-male type, plastic
OLATT-1-SAM	1	SC/APC connector, 1310/1550, female-male type, metal
OLATT-2-SAM	2	SC/APC connector, 1310/1550, female-male type, metal
OLATT-3-SAM	3	SC/APC connector, 1310/1550, female-male type, metal
OLATT-5-SAM	5	SC/APC connector, 1310/1550, female-male type, metal
OLATT-7-SAM	7	SC/APC connector, 1310/1550, female-male type, metal
OLATT-10-SAM	10	SC/APC connector, 1310/1550, female-male type, metal
OLATT-15-SAM	15	SC/APC connector, 1310/1550, female-male type, metal
OLATT-1-SAP	1	SC/APC connector, 1310/1550, female-male type, plastic
OLATT-2-SAP	2	SC/APC connector, 1310/1550, female-male type, plastic
OLATT-3-SAP	3	SC/APC connector, 1310/1550, female-male type, plastic
OLATT-5-SAP	5	SC/APC connector, 1310/1550, female-male type, plastic
OLATT-7-SAP	7	SC/APC connector, 1310/1550, female-male type, plastic
OLATT-10-SAP	10	SC/APC connector, 1310/1550, female-male type, plastic
OLATT-15-SAP	15	SC/APC connector, 1310/1550, female-male type, plastic
OLATT-1-MU	1	MU connector, 1310/1550, female-male type, plastic
OLATT-2-MU	2	MU connector, 1310/1550, female-male type, plastic
OLATT-3-MU	3	MU connector, 1310/1550, female-male type, plastic
OLATT-5-MU	5	MU connector, 1310/1550, female-male type, plastic
OLATT-7-MU	7	MU connector, 1310/1550, female-male type, plastic
OLATT-10-MU	10	MU connector, 1310/1550, female-male type, plastic
OLATT-15-MU	15	MU connector, 1310/1550, female-male type, plastic
OLATT-1-ST	1	ST connector, 1310/1550, female-male type, metal
OLATT-2-ST	2	ST connector, 1310/1550, female-male type, metal
OLATT-3-ST	3	ST connector, 1310/1550, female-male type, metal
OLATT-5-ST	5	ST connector, 1310/1550, female-male type, metal
OLATT-7-ST	7	ST connector, 1310/1550, female-male type, metal
OLATT-10-ST	10	ST connector, 1310/1550, female-male type, metal
OLATT-15-ST	15	ST connector, 1310/1550, female-male type, metal

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OPTICAL POWER METER [OPM-x]
Fiber Products, Accessory

Taikan
ESTD. 1973

Description

Taikan's optical power meter is a hand-held device designed to measure the power in a fiber optic line. Its compact form makes it easy to test the line at various locations, and the power meter can support 1310, 1490 and 1550 nm wavelengths. The power measurement range is -30 dBm ~ +20 dBm and can be set at various units including mW (uW/nW) and dB.

Features

- Optical Power Meter
- Optical Wavelength: 1310, 1490, 1550 nm
- SC/APC, FC/APC, FC/PC, or SC/PC Connector

Ordering Information

OPM - x

SA for SC/APC, *FA* for FC/APC, *FP* for FP/PC, or *SP* for SP/AC connector

Specifications

Measurement Wavelength	1310/1490/1550 nm
Power Measurement Range	-30 dBm ± 20 dBm
Measurement Accuracy	± 5%
Display Unit	nW, uW, mW, dBm, dB
Battery Work Hours	> 60 Hours
Work Temperature	-15 to 50 °C (5 to 122 °F)
Connector	FC/APC, FC/PC, SC/APC, SC/PC
Power Supply	Size 5 Battery x2 (AA Battery x2)

FIBER OPTIC PATCH CABLE & PIGTAIL

[xx-x-xx] *Fiber Products, Optical Splitter Series*

Taikan
ESTD. 1973

Description

Taikan's Fiber Optic Patch Cables and Pigtails are used to connect different types of fiber optical equipment in Optical Network applications. Our Fiber Optic Patch Cable and Pigtails are lightweight, flexible, and offer reliable connectivity for your network.
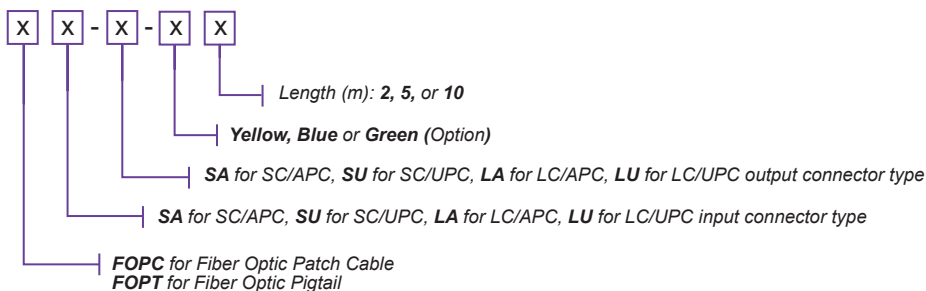
Features

• Single Mode Fiber (Simplex) cables that comply with ITU-T G.652.d standards

• Cables are self-extinguishing and free of substances that cause halogen gases (LSOH)

• Simplex cables are color coded

• Cables are available in a variety of lengths

• Maximum permissible pulling force is at least 100 N

• Maximum allowable vertical load connector is less than 10 N

• Maximum case is 1.7 mm for each cord

• Minimum bend radius: 30 mm

• Fiber in the stem is floating (semi-tight tube 0.9 mm)

• Connectors meet the requirements for:

  • SC IEC 61754-4, TIA 604-3.

  • LC IEC 61754-20, TIA 604-10-A

***Images are for reference purposes only and do not represent the final product.

Ordering Information

X X - X - X X

— Length (m): **2, 5,** or **10**

— **Yellow, Blue** or **Green** (Option)

— **SA** for SC/APC, **SU** for SC/UPC, **LA** for LC/APC, **LU** for LC/UPC output connector type

— **SA** for SC/APC, **SU** for SC/UPC, **LA** for LC/APC, **LU** for LC/UPC input connector type

— **FOPC** for Fiber Optic Patch Cable
FOPT for Fiber Optic Pigtail

Model Number	Description	Input/Output Connector Types	Length (m)
FOPCx-x-xx	Fiber Optic Patch Cable	**SA** (SC/APC), **SU** (SC/UPC), **LA** (LC/APC), **LU** (LC/UPC)	2, 5, or 10
FOPTx-x-xx	Fiber Optic Pigtail	**SA** (SC/APC), **SU** (SC/UPC), **LA** (LC/APC), **LU** (LC/UPC)	2, 5, or 10