

OPTICAL ATTENUATOR [OLATT-X-X-X]

Fiber Products, Accessory

TaiTin

Description

TaiTin'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 $\leq \pm 0.5$ dB 11 ~ 25 dB $\leq \pm 1.0$ 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 \pm 167°F)
Storage Temperature:	-40°C ~ 85°C (-40°F \pm 185°F)

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