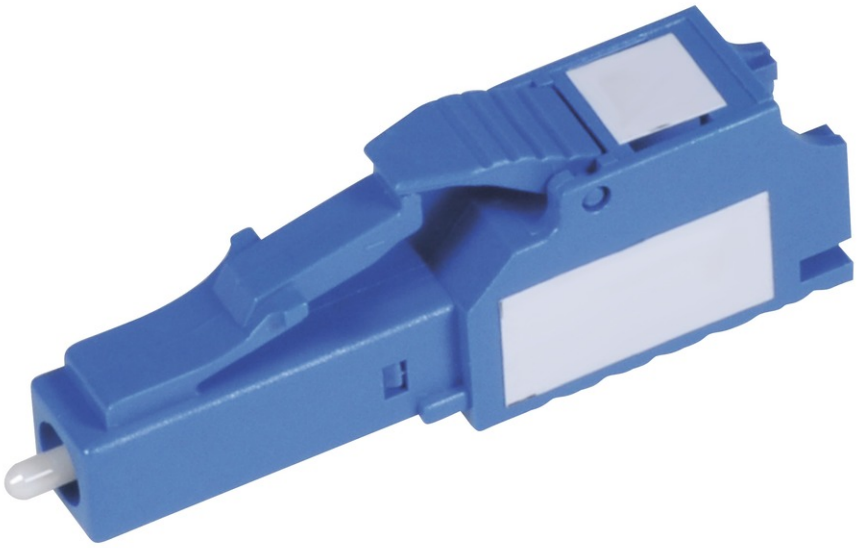
FO attenuator LC/UPC plug/jack, xxdB, 1310/1550nm



tde - FO Attenuators

A fiber optic attenuator is a passive device used to reduce the amplitude of a light signal without significantly changing the wave form itself. This is often a requirement in DWDM and EDFA applications where the receiver cannot accept the signal generated from a high-power light source.

tde attenuators feature a proprietary type of metal-ion doped fiber which reduces the light signal as it passes through. This method of attenuation allows for higher performance than fiber splices or fiber offsets, which function by misdirecting rather than absorbing the light signal. tde attenuators are capable of performing in the 1310, C and L Bands. tde attenuators are capable of withstanding over 1W of high power light exposure for extended periods of time, making them well-suited to EDFA and other high-power applications. Low Polarization Dependent Loss (PDL) and a stable and independent wavelength distribution makes them ideal for DWDM.

Applications

- Erbium Doped Fiber Amplifiers (EDFA)

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- Dense Wave Division Multiplexers (DWDM)
- Overpowered fiber optic systems

Features

- Metal ion doped fiber
- High-power light source durability
- Wavelength independence
- Attenuation levels ranging from 1dB to 30dB
- 1310nm, 1550nm, 1250-1625nm and 1350/1550nm dual wave lengths

Technical Data

Return Loss	≥ 55 dB (UPC)
Attenuation Tolerance	01dB bis 10dB: ± 0.5% 11dB bis 30dB: ± 5%
Operational Wavelengths	1310 ± 40nm, 1490 ± 20nm, 1550 ± 40nm
Operating Temperature	-40 to +75°C
Maximum Power	500mw

Product variants & accessories

Art.-No.	Description
L-ATT-LC/UPC-MF-xx	FO attenuator LC/UPC plug/jack, xxdB, 1310/1550nm

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