

Fiber Optic Attenuators

Optical Attenuators



Optical attenuators are used normally at optical receivers to adjust for the optimum optical input power level to ensure proper operating parameters of the receiver. Both fixed (connectorized) attenuator and variable (step) attenuators are available.

Step attenuators like the OTOA-1000 operate on the principle of putting a "microbend" in the optical cable allowing some light to escape the cladding, resulting in some light loss or attenuation. The OTOT-1000 has a combination of 1, 2, and 4 dB loops that when combined, can provide from 1 to 7 dB of attenuation in standard 3 mm singlemode optical cable at 1310 nm. Other cable or wavelengths may result in different attenuation characteristics.

Fixed Attenuators



FC/UPC Male to Female



FC/APC Male to Female



ST/UPC Male to Female



SC/APC Male to Female



LC/UPC Male to Female



SC/UPC Male to Female

Fixed Attenuator Part Number Matrix

FA	MF	XXX	XX
FA = Fiber Attenuator	MF = Male/Female	Connector Type FC = FC/UPC FCA = FC/APC SC = SC/UPC SCA = SC/APC ST = ST/UPC LC = LC/APC	Value 1 to 10 dB in 1 dB steps, plus 15 and 20 dB