



# Fiber Optic Connectivity

## Optical Attenuators



**OTOA-1000  
Step Attenuator**

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	<b>Connector Type</b> FC = FC/UPC FCA = FC/APC SC = SC/UPC SCA = SC/APC ST = ST/UPC LC = LC/APC	<b>Value 1 to 10 dB in            1 dB steps, plus 15            and 20 dB</b>



