MT-1033 Fiber Optic Attenuator

Features:
1. Fiber mode: MM/SM
2. Connector: FC, SC, ST, LC, MU, MTRJ, E-2000 and other
3. Available Length: User-defined
4. Jacket Colors: Orange, Yellow
5. Ferrule: PC, UPC, APC
6. Insertion Loss: ≤0.2dB
7. Specification according to customer’s requests
8. Both OEM and ODM are available

Item: FC Series
Brief: Locks with coupling ring
Description:
1. Metal casing with zirconia ferrule
2. 100% adjustment and testing on optical power meter
3. Tuned for minimum insertion loss
4. IEC 874 compliant
5. Color boot: Black, green, blue, etc.
Item: SC Series
Brief: Automatic lock in adaptor
Description:
1. Unlock by pulling on casing
2. Plastic casing with zirconia ferrule
3. Can be used as duplex connector with duplex clip
4. IEC 874 compliant
5. Color of casing boot: SM-blue, MM-beige

Item: LC Series
Brief: Lock with locking lever
Description:
1. Plastic housing with zirconia ferrule
2. Simplex & duplex are available
3. IEC 874 compliant
4. Color housing: blue / beige

Item: MTRJ Series
Brief: RJ45 style latch connector
Description:
1. SM, MM performance to TIA specification
2. IEC-61754-20 compliant
3. Male & female available

**Item: MU Series**

**Brief:** Compact factor connector

**Description:**
1. Providing high density mounting
2. Excellent optical performance
3. IEC-61754-20 compliant

Fiber optic Attenuators are used in applications where a pre-determined amount of light loss is specified. We offer LC, FC, SC, ST, MU fixed attenuator with different attenuation level, from 1dB to 30dB.

**Key Features**

- Bellcore Compliant
- Wavelength Independent
- Durability & Simple and Reliable Structure
- Specifications
  - Operating Wavelength: SM: 1310nm, 1550nm
  - MM: 850nm, 1300nm
  - Return loss: More than 55dB (UPC)
  - Attenuation Accuracy: +/-0.5 (1~10) +/-1.0(11~30)
  - Polarization Dependent Loss: Less than 0.2dB
  - Max. Optical Input Power: 200mW
  - Operating Temp Range: -40~80°C

**Applications**

- Telecommunication Networks
- Local Area Network
- FTTH and FTTx
- Fiber Optic Sensors
- Test & measurement
- DWDM applications
<table>
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<tr>
<th>Optical Performance</th>
<th>M-F Plug Type</th>
<th>F-F Adaptor Type</th>
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<tbody>
<tr>
<td>Testing Wavelength(nm)</td>
<td>SM: 1310nm/1550nm</td>
<td>1310nm</td>
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<tr>
<td></td>
<td>MM: 850nm/1300nm</td>
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<tr>
<td>Attenuation Accuracy(dB)</td>
<td>1-9dB; 0.5dB; 10-30dB; 10% of Attenuation Value</td>
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<tr>
<td>Return Loss(dB)</td>
<td>≥50dB (PC)</td>
<td>≥50dB (PC)</td>
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<td></td>
<td>≥60dB (APC)</td>
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<tr>
<td>Input Power (Max.) (mW)</td>
<td></td>
<td>300</td>
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<tr>
<td>Durability(dB)</td>
<td>&lt;0.2dB Typical, 1000 Matings</td>
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<tr>
<td>Operating Temperature(°C)</td>
<td>-40°~+80</td>
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<tr>
<td>Storage Temperature(°C)</td>
<td>-40°~+85</td>
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