

Key Features

- Low Insertion Loss
- Compact Size
- Excellent Temperature & Humidity Stability
- Excellent Repeatability & Mechanical Stability

Applications

- DWDM Channel Equalization
- EDFA Power Equalization
- CATV & Telecommunications
- Testing and Measurement



Parameter Specification: Mechanical VOA

| Parameters | 1310+/-40nm | 1550+/-40nm | 1310/1550nm | Units |
|------------------------------|---|-------------|-------------|-------|
| Maximum Attenuation | 50 | 50 | 50 | dB |
| Minimum Insertion Loss | ≤1.0 | ≤1.0 | ≤1.1 | dB |
| Return Loss | ≥40 | ≥45 | ≥45 | dB |
| Wavelength Dependent Loss | ≤ 0.4 for attenuation ≤ 20 dB ≤ 0.6 for attenuation > 20 dB | | | dB |
| Polarization Dependent Loss | ≤ 0.15 for attenuation ≤ 20 dB ≤ 0.3 for attenuation > 20 dB | | | dB |
| Polarization Mode Dispersion | 0.05 | | | ps |
| Fiber Type | SMF 28e+ or MM (OM1, OM2, OM3, OM4) | | | |
| Fiber Length | >1.0m | | | M |
| Connector | Per customer's choice | | | |
| Package Size | 16x15x5.5 | | | mm |

Notes:

- The above parameters do not include connector, each pair connectors adds 0.2dB.

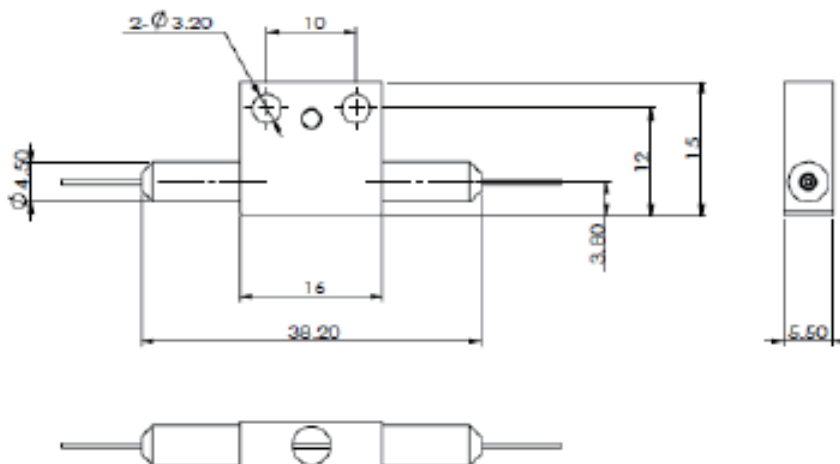
Operating Conditions

| Parameters | Performance Specifications | Units |
|------------------------|----------------------------|-------|
| Maximum Power handling | 500 | mW |
| Operating Temperature | -5 ~ +70 | °C |
| Storage Temperature | -40 ~ +85 | °C |

Notes:

- Contact us for industrial temperature applications

Mechanical Dimensions



Unit: mm

Part Number Scheme: Mechanical VOA

| | | | | | | | | | | | | | |
|---|---|---|---|--|--|--|--|--|---|--|--|--|--|
| V | O | A | M | | | | | | N | | | | |
|---|---|---|---|--|--|--|--|--|---|--|--|--|--|



Wavelength/Band
 1310 = 1310 nm
 1550 = 1550nm
 1315 = 1310 nm/1550nm
 1060 = 1060 nm

Fiber Type
 S = SMF-28e+
 1 = OM1
 2 = OM2
 3 = OM3
 X = XB(G657.A1)
 H = Hi-1060

Fiber Length
 10 = 1.0 m
 15 = 1.5 m
 30 = 3.0 m
 mn = m.n meters

Boot State
 Y = yes
 N = no

Jacket Type
 A = 250um
 B = 900um
 C = 2mm
 D = 3mm

Connector Type
 0 = None M = MTP 12P
 2 = FC/UPC N = MTP 24P
 3 = FC/APC O = MPO 12P
 4 = SC/UPC P = MPO 24P
 5 = SC/APC H = MU/UPC
 6 = ST/UPC X = Customized
 7 = LC/UPC
 8 = LC/APC

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