



### Key Features

- Low Insertion Loss
- Low Power Consumption
- Compact Size
- Fast Response Time
- High Stability and Reliability

### Applications

- DWDM Channel Equalization
- EDFA Power Equalization
- Optical Receiver Protection
- Dynamic Power Regulation



**Parameter Specifications (off state: Transparent)**

Parameters		Standard	Extended band	Units
Wavelength range	c-band	1530~1565	1520~1575	nm
Minimum Insertion Loss	@ 0 VDC	≤1.0	≤1.1	dB
Return Loss		≥45	≥45	dB
Wavelength Dependent Loss	@ 5 dB Att	≤0.6	≤1.0	dB
	@ 10 dB Att	≤0.8	≤1.3	dB
	@ 20 dB Att	≤1.0	≤1.5	dB
Polarization Dependent Loss	@ 5 dB Att	0.2	0.3	dB
	@ 10 dB Att	0.3	0.4	dB
	@ 20 dB Att	0.5	0.6	dB
Temperature Dependent Loss	@ 5 dB Att	1.2	1.5	dB
	@ 10 dB Att	1.8	2.0	dB
Polarization Mode Dispersion	@ 0-20 dB Att	0.05		ps
Voltage vs Insertion Loss correlative stability	@ 0-15 dB Att	+/-0.7		dB
Voltage vs Insertion Loss EOL variation	@ 0-15 dB Att	+/-0.7		dB
Fiber Type		SMF 28e+ Bare Fiber		
Fiber Length		>1.0m		
Connector		Per customer's choice		

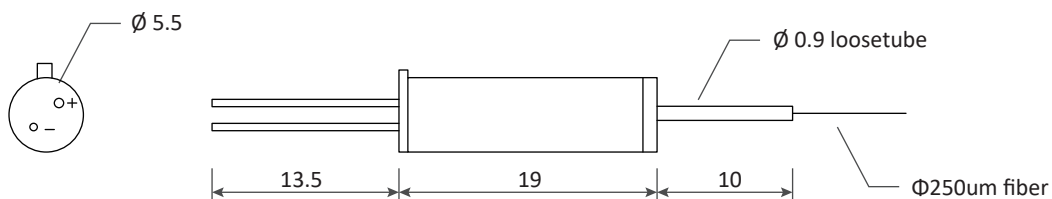
Notes:

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

**Operating Conditions**

Parameters	Performance Specifications	Units
Driver Voltage	≤ 6	V
Power Consumption	< 10	mW
Maximum Power handling	500	mW
Operating Temperature	-5 ~ +70	°C
Storage Temperature	-40 ~ +85	°C

**Mechanical Dimensions**



Unit: mm

**Part Number Scheme: MEMS VOA**



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

**Off State**  
 T = Transparent  
 O = Opaque

**Fiber Type**  
 1 = SMF-28e+  
 2 = XB(G657.A1)  
 3 = Hi-1060

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

**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