

MEMS VOA

FEATURES

- ▣ Low Excess Loss
- ▣ Various Attenuation
- ▣ Wide Passband
- ▣ High Stability and Reliability
- ▣ Epoxy Free Optical Path

APPLICATIONS

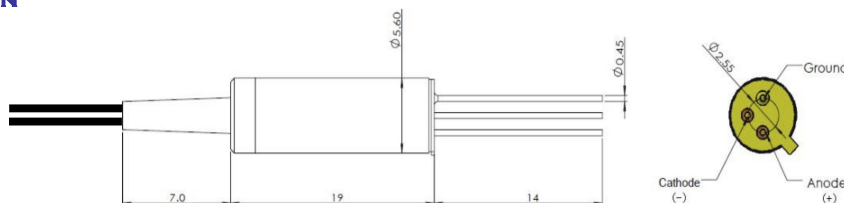
- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Labs

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1310, 1480, 1550, 1590	
Bandwidth	nm	+/-10	
Max. Insertion Loss	dB	0.8	
Attenuation Range	dB	0.6~40	
Resolution	-	Continuous	
PDL	(at lowest attenuation)	dB	≤0.1
	20dB Attenuation	dB	≤0.5
WDL	(at lowest attenuation)	dB	≤0.3
	20dB Attenuation	dB	≤1.2
Optical Return Loss	dB	≥45	
Driving Voltage	V	0~6.5 or 0~15	
Response Time (10~90% Power)	ms	≤2	
Work Mode	-	Bright (Normally-open) or Dark (Normally-closed)	
Fiber Type	-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)	
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

PEMA-NNNN - (C) (C) - (C) C NN - CC/CCC

Center Wavelength	Work Mode	Voltage	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	D=Dark Type	H=15V	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1480-1480nm	Blank for Bright Type	Blank for 6V	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550-1550nm			G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590-1590nm			Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector