

## Features

- ▣ Tubular type small package
- ▣ Low plug loss, low WDL/PDL
- ▣ Fast response
- ▣ High reliability high stability

## Application

- ▣ Optical power control and equalization
- ▣ WDM wave division system
- ▣ EDFA gain control
- ▣ Instrument and meter

## Compliance

- ▣ Telcordia GR-1221
- ▣ Telcordia GR-1073



## Technical parameters

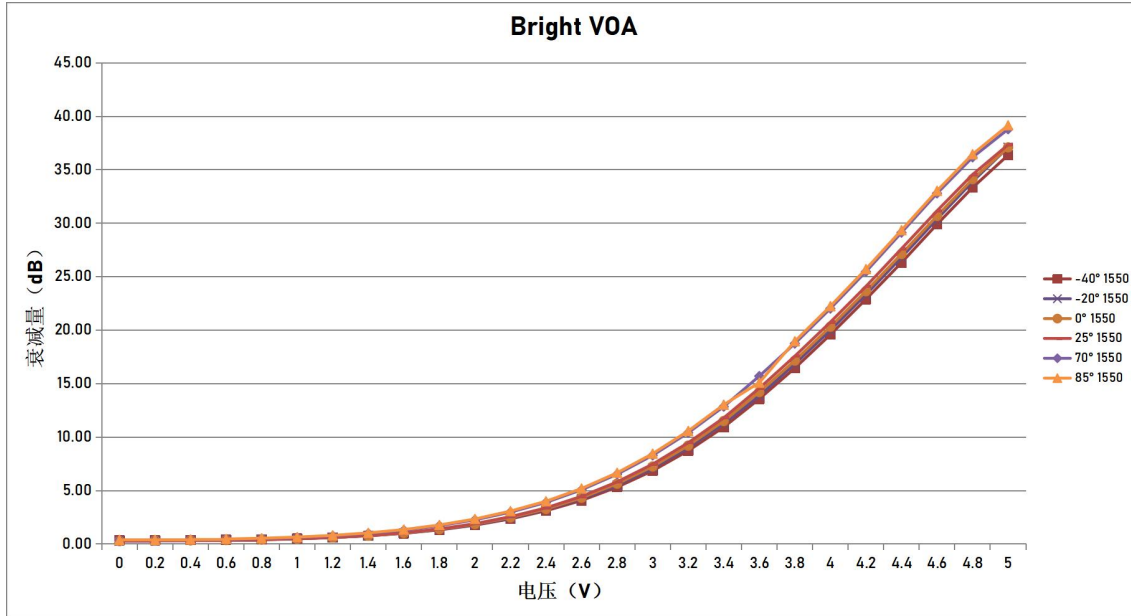
Parameters	Unit	PM MEMS VOA
Attenuation type		Bright or Dark
Working wavelength	nm	1550
Attenuation range	dB	≥30
Extinction ratio	dB	≥18
Response time	ms	≤8
Insertion loss	dB	≤0.7
Wavelength dependent loss	dB	≤0.25 @0V
Return loss	dB	≥45
Drive power supply	V	≤6.5
Maximum optical power	mW	≤500
Working temperature	°C	-20 ~ +85
Storage temperature	°C	-40 ~ +85
Package size	mm	Φ5.5×19

1. All parameters are tested at room temperature;
2. All parameters do not include connector insertion loss.

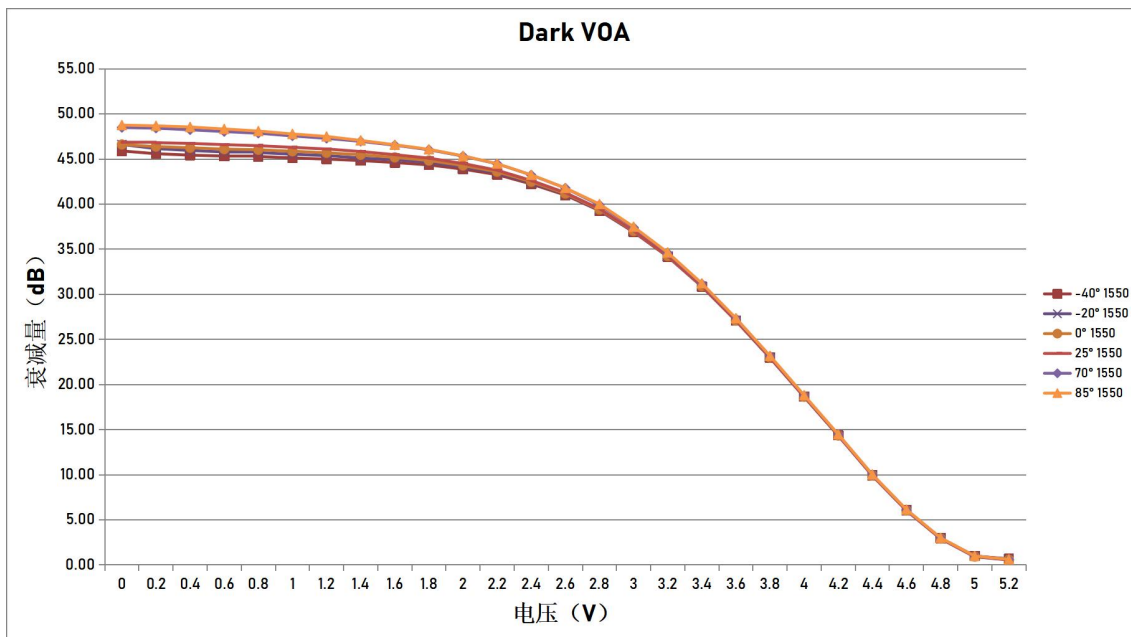


## Attenuation curve

### SM Bright



### SM Dark

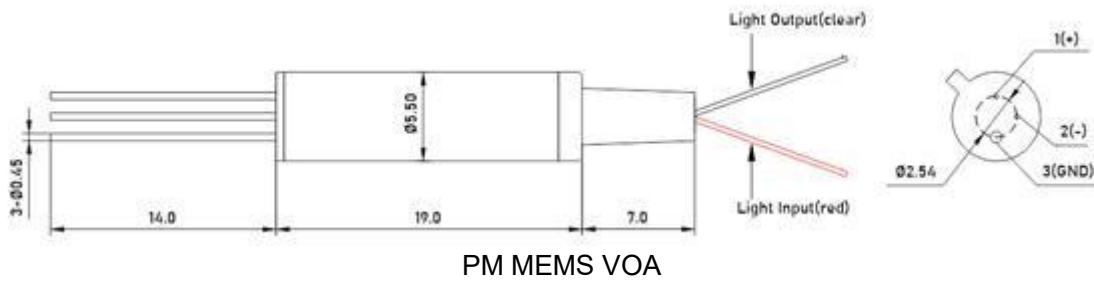


MEMS VOA temperature attenuation curve: the horizontal coordinate is voltage (V), and the vertical index is VOA attenuation value (dB).

In the figure, different colors represent VOA attenuation curves at -40°, -20°, 0°, 25°, 70° and 85° respectively.



Size



Order information HC-PMVOA-A-B-C-D-E-F

A	B	C	D	E	F
wavelength	Attenuation type	attenuation range	Fiber diameter	Fiber length	Connection header type
15:1550nm	B:Bright	25:min.25dB	025:Φ0.25mm	05: 0.5m	00: None
X:other	D:Dark	30:min.30dB	09:Φ0.9mm	10: 1.0m	FP: FC/UPC
		X:other	X:other	15: 1.5m	FA: FC/APC
				X: other	SP: SC/UPC
					SA: SC/APC
					LP: LC/UPC
					LA: LC/APC
					X: other