

Product features

Steel tube small package
Low insertion loss, low WDL/PDL
The response speed is fast
High reliability and stability



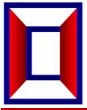
Scope of application

Power control and equalization
Gain Slope Control of EDFA
WDM wavelength division system
Optical test instrument

Technical parameters

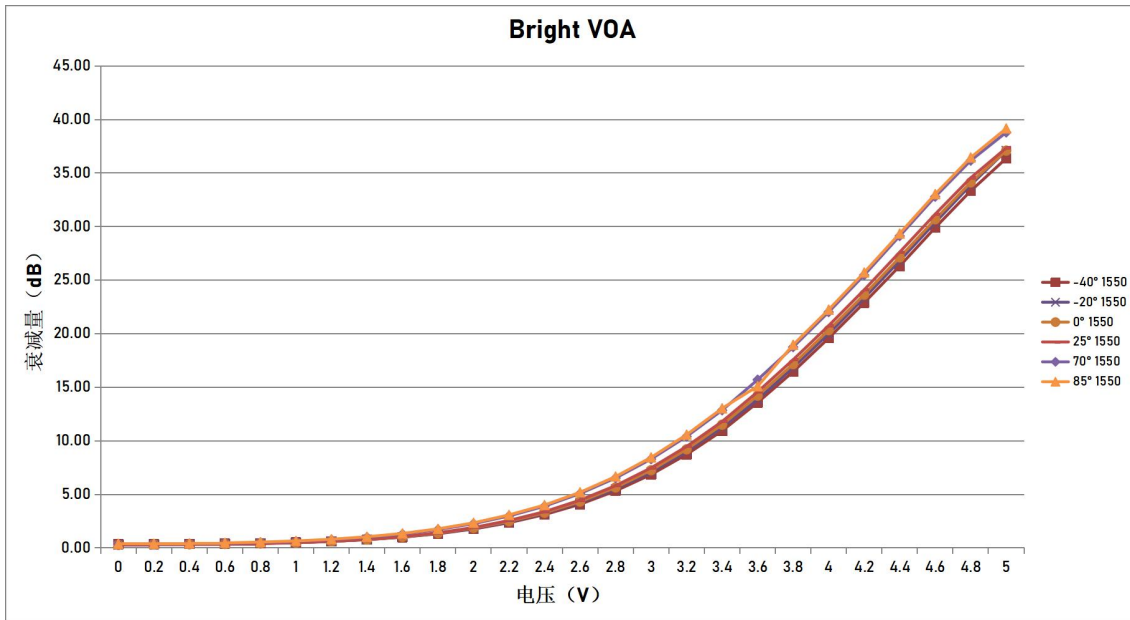
Parameter	Specification		Unit
Type	Bright	Dark	
Operating wavelength	SM:1260~1620; MM:850/1310		nm
Attenuation range	SM:≥40; MM: ≥30		dB
Insertion Loss ¹	≤0.7		dB
Response time	≤8		ms
Return loss	SM≥50; MM≥30		dB
Maximum optical power	≤500		mW
Drive power supply	SM≤8; MM≤10		V
Operating temperature	-20~+85		°C
Storage temperature	-40~+85		°C
Dimension	Φ5.5×20.15		mm

1. All parameters are tested in room temperature working environment;
- 2.All parameters exclude connector insertion loss.

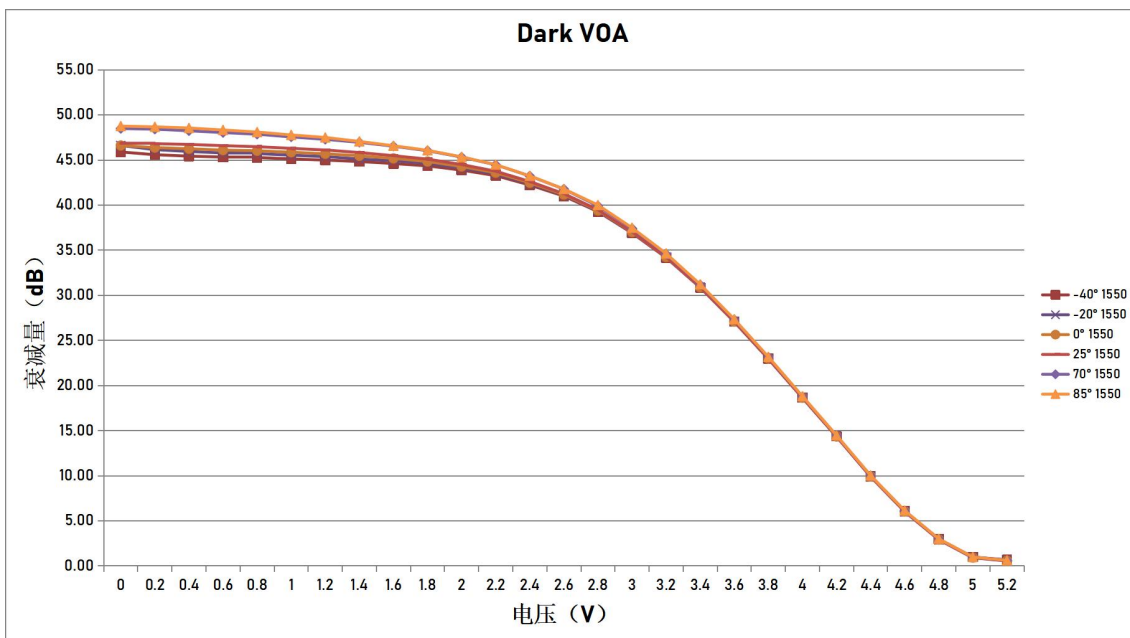


Attenuation curve

SM Bright

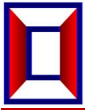


SM Dark

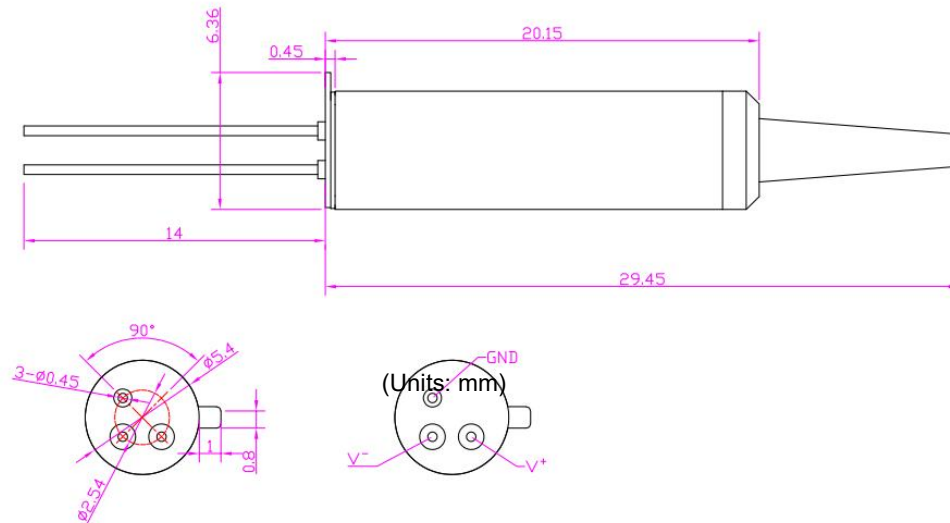


Temperature attenuation curve of MEMS VOA: the abscissa is voltage (V), and the ordinate is attenuation value of VOA (dB).

The attenuation curves of VOA at -40 °, -20 °, 0 °, 25 °, 70 ° and 85 ° are shown in different colors.

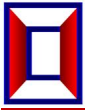


Dimension (mm)



Pin definition

Pin definition	Single mode	Multi mode
1	Positive electrode	Positive electrode
2	Negative electrode	GND
3	GND	GND



Ordering Information HC-MVOA-A-B-C-D-E-F-G

A	B	C	D	E	F	G
Type	Wavelength	Attenuation range	Fiber type	Fiber diameter	Fiber length	Connector type
1: Bright	13: 1310nm	25:min.25 dB	A1:G657A1	025:Φ0.25mm	05:0.5m	00: None
2 :Dark	15:1550nm	30:min.30 dB	A2:G657A2	09:Φ0.9mm	10: 1.0m	FP: FC/UPC
	1315:1310&1550nm	40:min.40dB	OM1: 62.5/125	X:other	15: 1.5m	FA: FC/APC
	MM:M Multi-Mode	X:other	OM2:50/125		X:other	SP: SC/UPC
	X:other		OM3:50/125			SA: SC/APC
			X:other			LP: LC/UPC
						LA: LC/APC
						MP:MPO
						X:other