

MEMS Variable Optical Attenuator(VOA) Specification

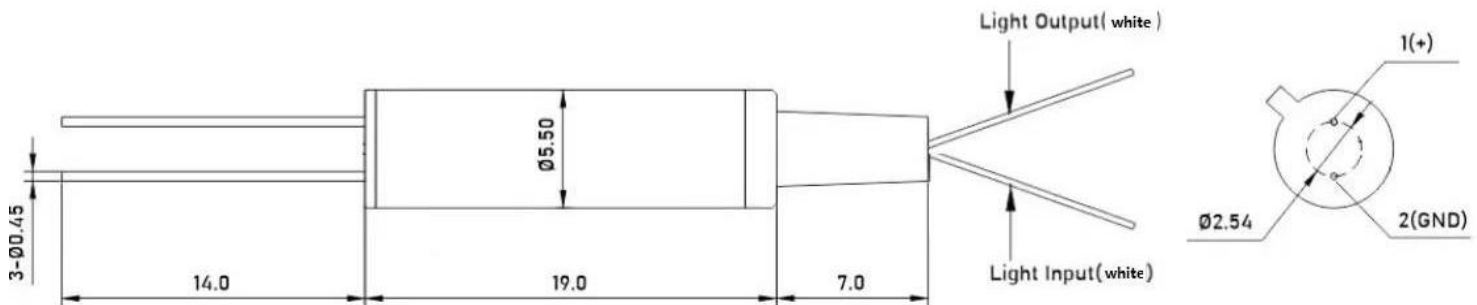
Performance Specifications

Items	Parameters	Unit
Operating Wavelength Range	O band /C band/L band/Full band/others	nm
Attenuation Type	Bright or Dark	
Attenuation Range	≥15/20/30/40	dB
Insertion Loss	≤0.7	dB
Attenuation Resolution	Continuous	dB
Return Loss	≥45	dB
Fiber Type	SMF-28e	
Response Time (10-90%optical power)	≤5	ms
Driving Voltage	5/6.5	V
Driving Power	≤5	mW
Polarization Dependent Loss	≤0.2@ 10dB , ≤0.5 @<20dB att.	dB
Wavelength Dependent Loss	≤0.6@ 10dB , ≤1.0 @<20dB over 20nm span	dB
Maximum Optical Power	≤500	mW
Operating Temperature	-0~+70	°C
Storage Temperature	-40~+85	°C
Connector Type	Customized	
Package Size	Φ5.5xL19	mm

Notes:

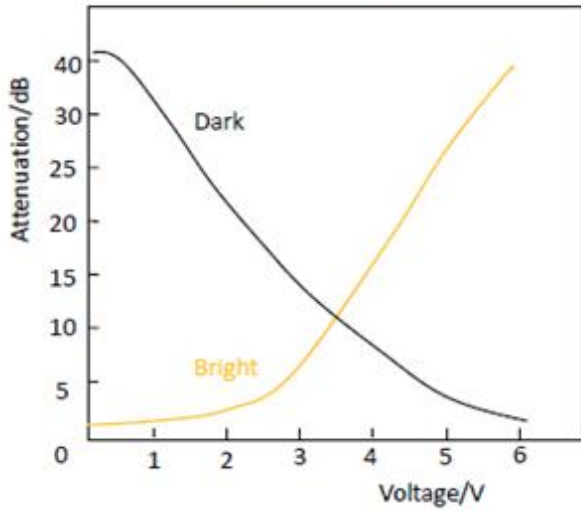
1. specified without connectors;
2. O band: 1290~1330nm, C band: 1530~1570nm, L band: 1570~1610nm, Full band: 1270~1620nm

Mechanical Dimensions

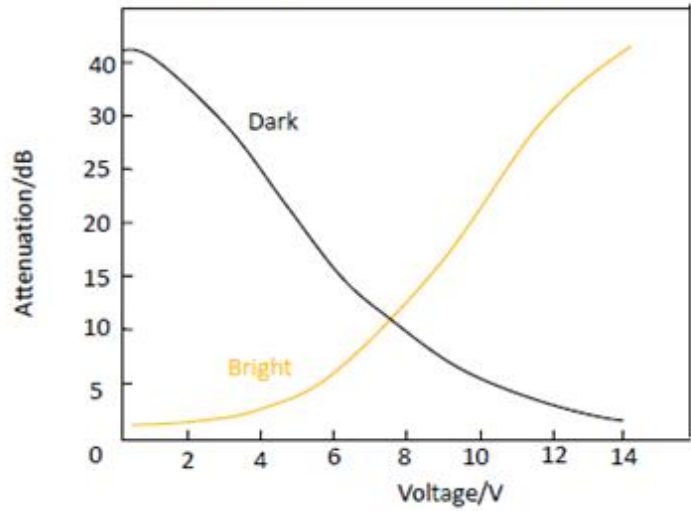




LV: Voltage-Attenuation Cure



HV: Voltage-Attenuation Cure



Ordering Information

VOA	Wavelength	Type	Attenuation Range	Driving Voltage	Fiber Type	Pigtail Diameter	Pigtail Length	Input Connector	Output Connector
	1=O band 2=C band 3=L band 4=Full band 5=1310/1490/ 1550 S=Customized	B=Bright D=Dark	15=0~15dB 20=0~20dB 30=0~30dB 40=0~40dB	LV=0~6.5v	0=SMF-28e S=Others	0=250um 1=900um	05=0.5M 10=1.0M 15=1.5M	0=None 1=FC/UPC 2=FC/APC 3=SC/UPC 4=SC/APC 5=LC/UPC 6=LC/APC	0=None 1=FC/UPC 2=FC/APC 3=SC/UPC 4=SC/APC 5=LC/UPC 6=LC/APC