

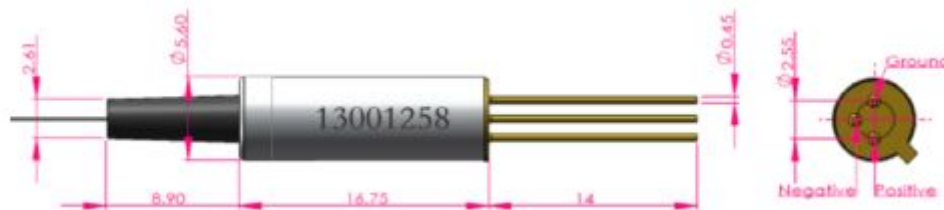
MEMS Variable Optical Attenuator (SVOA)

Features	
Low insertion loss	
Available in both normally open and closed states	
Application	
Power equalization in multi-channel, optically amplified networks	
Gain-tilt control in erbium doped fiber amplifiers (EDFAs)	
Dynamic Gain/Channel Equalizers (DGE/DCE) in DWDM/CWDM networks,	
For ROADM power balance	
Receiver protection/switch during transmitter turn-ons	

Specifications:

Parameter	Unit	Value
Operating Wavelength	nm	1528~1565 or 1570-1610
Attenuation Range	dB	≥30
Insertion Loss	dB	≤0.7
PDL	dB	≤0.1@ 0dB , ≤0.5 @20dB
PMD	ps	≤0.1
Response Time	ms	≤5
WDL	dB	≤0.3dB(0dB), 1.5dB(15~20dB)
TDL	dB	≤0.7 (0dB), ≤1.0(0~20dB)
Return Loss	dB	≥45
Repeatability	dB	≤0.1
Control Voltage	V	5 or 15
Optical power	mW	300
Repeatability	dB	0.1
Attenuation Type		Bright or Dark
Operating Temperature	°C	-5 ~+65
Package Dimension	mm	φ5.6XL16.75

Package Dimensions



Ordering Information

SVO A	Type	Wavelength	Attenuation Range	Operating Voltage	Pigtail Type	Fiber Type	Length	Connector
	D=Dark B=Bright	1550 1590	15=15dB 20=20dB 25=25dB 30=30dB 60=60dB	5=5V 15=15V	250=250um bare fiber 900=900um loose tube	1=SMF-28 e	1=1m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC XX=Other