

MEMS Variable Optical Attenuator (SVOA)

Features	
Low insertion loss	
Compact size	
Available in both normally open and closed states	
Application	
Power equalization in multi-channel, optically amplified network	
Gain-tilt control in EDFA	
Dynamic Gain/Channel Equalizers/ in DWDM/CWDM networks	
Photoreceiver trimming	
Receiver protection/switch during transmitter trun-ons	

Specifications:

Parameter	Value
Operating Wavelength (nm)	1528~1565 or 1570-1607
Attenuation Range(dB)	≥30
Inerstion Loss (dB)	≤0.8
PDL (dB)	≤0.3 (0~15) ≤0.5 (15-20)
PMD (ps)	<0.1
Response Time (ms)	<10
TDL (dB)	≤3.0 (0~20)
Return Loss (dB)	≥40
Operating Temperature(°C)	-5 ~+65
StorageTemperature(°C)	-40 ~85
Fiber Type	SMF-28e
Hermeticity (Atm.cm ³ /s)	<10 ⁻⁷
Package Dimension	dia5.5x25mm

Ordering Information

SVOA	Wavelength	Attenuation Range	Operating Voltage	Pigtail Type	Fiber Type	Length	Connector
	1550	15=15dB	5=5V	250=250um	SMF-28e	1=1m	NC=None
	1590	20=20dB	15=15V	bare fiber			FA=FC/APC
	C+L	30=30dB		900=900um			FC=FC/UPC
				loose tube			SA=SC/APC
							SC=SC/UPC
							LC=LC/UPC
							LA=LC/APC
							MU=MU/UPC