


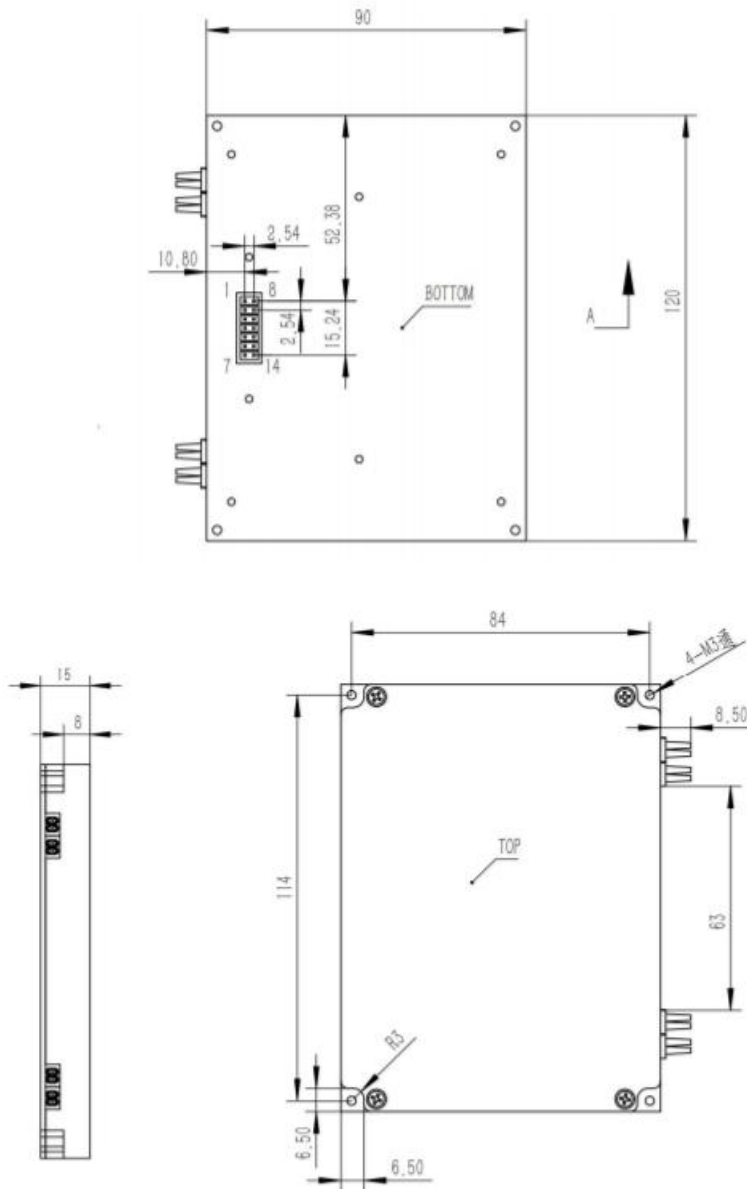
MEMS VOA Array (SVOA)

Features	
Low insertion loss High Reliability	
Application	
Distributed power equalization within OADMs, MUX/DMUXes, Band Equalizers, Channel Equalizers, OXC, Line Cards and Transponder Input power adjustment in EDFA	

Specifications:

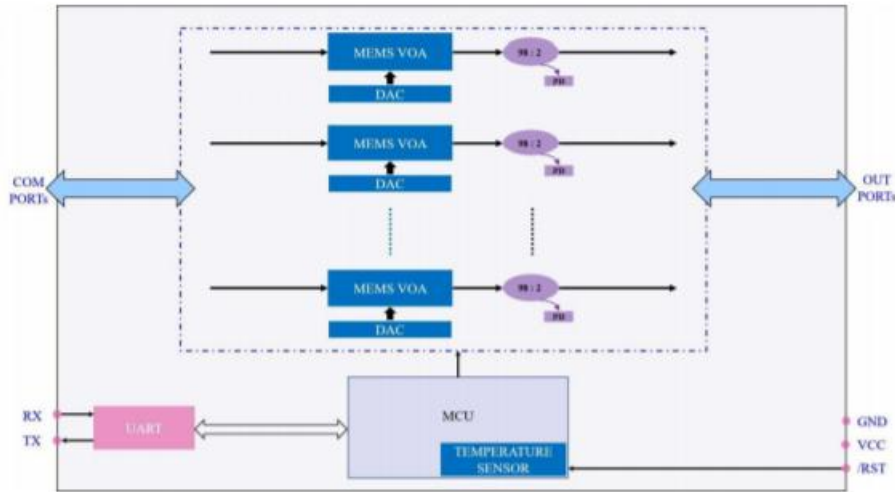
Parameter	Value
Operating Wavelength(nm)	1550, 1310, 1625
Attenuation Range(dB)	≥30
Insertion Loss (dB)	≤0.8
VOA-PD Number	1-8
PDL (dB)	≤0.4
Response Time(ms)	≤5
WDL(dB)	<1.0
Return Loss(dB)	≥45
Attenuation Resolution (dB)	0.1
Attenuation Repeatability(dB)	≤0.1
Attenuation Accuracy	≤0.3
PD Detection Range (dBm)	-50~20
PD Detection Accuracy(dBm)	≤0.4
PD Resolution(dB)	0.1
Repeatability(dB)	≤0.1
Control Voltage(V)	5
Optical power (mW)	≤500
Attenuation Type	Bright or Dark
Operating Temperature(°C)	-5 ~+65
Durability(cycle)	>1x10 ⁹
Latching Type	Non-Latching
Package Dimension(mm)	120 x 90 x 15
Control Voltage(V)	5~12
Control Type	UART, IIC

Package Dimensions (mm)



ELECTRONIC PIN DEFINITION			
PIN No.	Function	PIN No.	Function
1	No Connect	8	Reserved
2	5V (VCC)	9	Reserved
3	Reserved	10	Reserved
4	Ground (GND)	11	Ground (GND)
5	Reserved	12	Reserved
6	UART Tx Data	13	Reserved
7	UART Rx Data	14	Hardware Reset (/RESET)

Function Diagram



Ordering Information

SVOA	VOA PD Number	Type	Wavelength	Attenuation	Pigtail Type	Fiber Type	Length	Connector
	2=2ch 4=4ch 8=8ch	D=Dark B=Bright	1550=1550nm 1310=1310nm 1625=15	30=30dB 40=40dB	0=250um bare fiber 1=900um loose tube	1=SM Fiber	7=0.7m 1=1m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC XX=Other