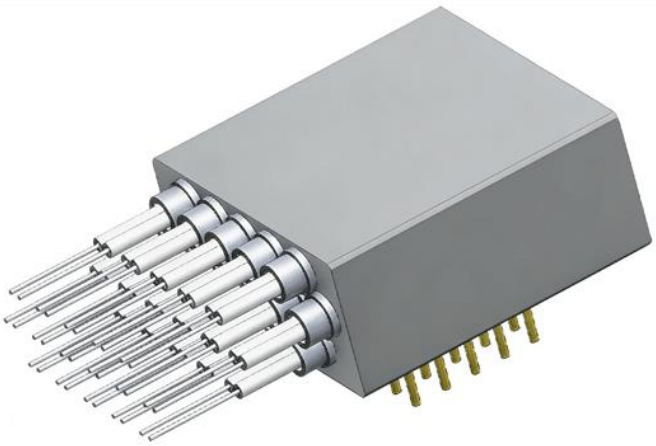
MEMS Variable Attenuation Array

(16 channels, 0-5V, 400-2640nm, 40dB attenuation, SM, MM, PM)

Product Features

- High Stability
- Low Cost
- High Repeatability
- Low Power Consumption
- Low Drift
- Compact Size



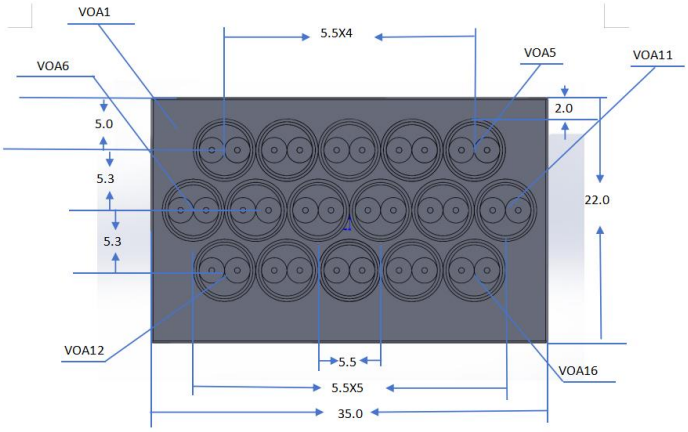
Application Areas

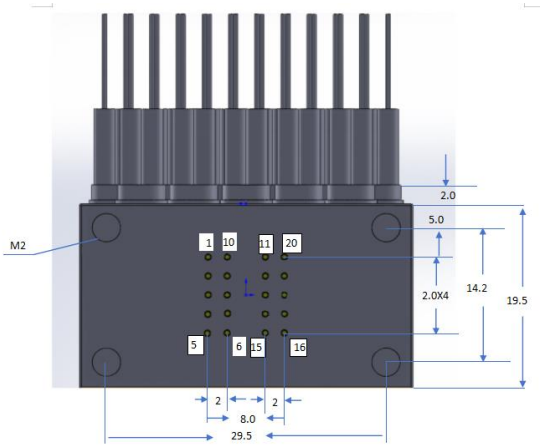
- Laboratory Use
- Testing
- Instrumentation

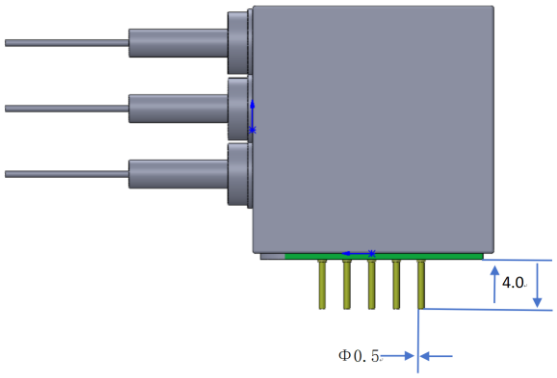
Product Specifications

Parameter		Min	Typical	Max	Unit
Operation Wavelength		850~1310, 1260~1620			nm
Insertion Loss (Without Connector)			0.6	1.0	dB
Attenuation Dynamic Range		40		55	dB
Polarization Dependent Loss (SM, 0~15dB)			0.1	0.2	dB
Repeatability (0-60 °C)			0.2	0.5	dB
Extinction Ratio (PM)		18	22	25	dB
Return Loss	SM, PM	50			dB
	Multimode	35			
Wavelength Dependent Loss			0.3	0.8	dB
Response Time (0~20 dB)			1	3	ms
Optical Power Handling (CW)			300	400	mW
Polarization Mode Dispersion			≤ 0.05		ps
Optical Crosstalk			≥ 65		dB
Attenuation Resolution			0.1		
Max. Power Consumption			≤ 10		mW
Electric Power Input			0~5		VDC
Operating Temperature		-20		+75	°C
Storage Temperature		-40		+85	°C
Relative Humidity Range			0~85		%

Product Dimensions







Electrical/Computer Connection

Pin #	Control VOA #	Control Voltage
1	VOA 1	0~5 VDC
2	VOA 2	
3	VOA 3	
4	VOA 4	
5	VOA 5	
6	VOA 6	
7	VOA 7	
8	VOA 8	
9	VOA 9	
10	VOA 10	

Pin #	Control VOA #	Control Voltage
11	VOA 11	0 - 5 VDC
12	VOA 12	
13	VOA 13	
14	VOA 14	
15	VOA 15	
16	VOA 16	
17	0V	
18		
19	N/A	
20		

Ordering Information: VOAM – A – B – C – D – E – F – G – H

	A	B	C	D	E	F	G	H
Prefix	Type	Wavelength	Off State	Package	Fiber Type	Fiber Cover	Fiber Length	Connector
VOAM	09=9-ch 10=10-ch 11=11-ch 12=12-ch 13=13-ch 14=14-ch 15=15-ch 16=16-ch 0= Special	1=1060 2=C + L 3=1310 5=1550 7=780 8=850 A=850/1310 B=1260~1620 0= Special	B= Bright D= Dark	M = Module	1=SMF-28 2=HI1060 3=HI780 5=MM 50/125 6=MM 62.5/125 B=PM1550 D=PM1310 E=PM980 F=PM850 0= Special	25= Bare fiber 90=900um tube	02=0.2m 05=0.5m 10=1.0m	00= None FP=FC/PC FA=FC/APC SP=SC/PC SA=SC/APC ST=ST/PC LP=LC/PC LA= LC/APC MP=MPO