O-Net Communications

Smart Optical Component Solutions

#35 Cuijing Road, Pingshan New District, Shenzhen 518118,China
Tel: +86-755-2671 0000 Fax: +86-755-2671 0557

ATTENUATION/MONITORING

VOA ARRAY MODULE

Features

- Low loss, low PDL
- Fast response time
- Low power consumption
- Customized design available on request

Applications

- Optical network power management
- Mux/Demux module
- OADM node

Specifications

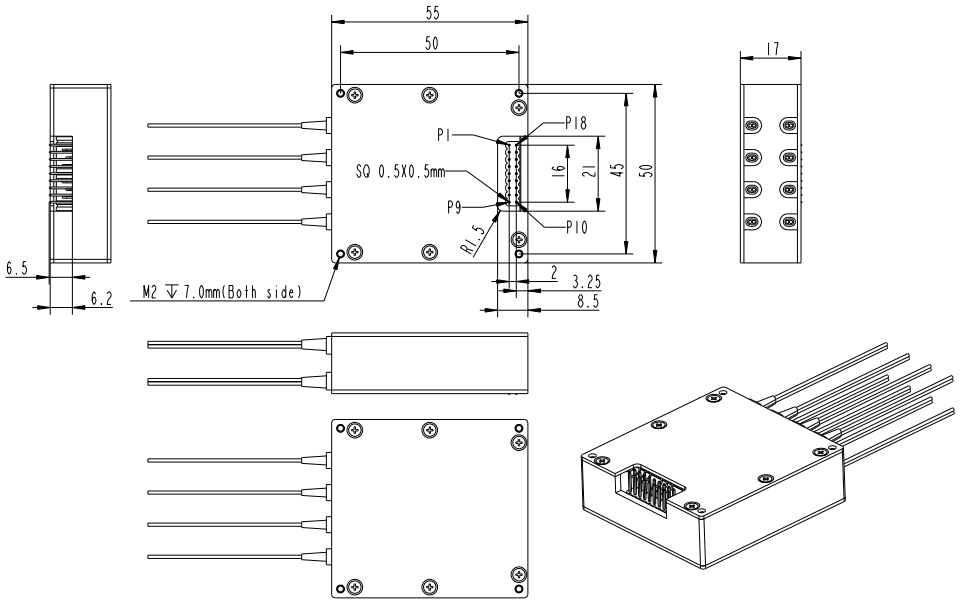
Parameter			Specification		Unit
Configuration			Bright	Dark	
Operating Wavelength Range			C-band: 1525~1575 L-band: 1570~1610		nm
Attenuation Range			25	25	dB
Insertion Loss		Max	0.8	0.9	dB
Tuning Speed		Max	20	20	ms
Wavelength Dependent Flatness	0~10dB attenuation	Max	0.3	0.3	dB
	10~20dB attenuation	Max	0.4	0.4	dB
Temperature Dependent Attenuation	at IL	Max	±0.3	±0.3	dB
	at 10dB	Max	±0.5	±1.2	dB
	at 20dB	Max	±0.7	±1.5	dB
Polarization Dependent Loss	0~10dB attenuation	Max	0.1	0.1	dB
	10~20dB attenuation	Max	0.2	0.2	dB
Return Loss		Min	45	45	dB
Optical Power Handling (per channel)		Max	24	24	dBm
Power Consumption (per channel)		Max	150*n	150*n	mW
Drive Voltage		Max	6	5	V
Operating Temperature Range			0~+70		℃
Storage Temperature Range			-40~+85		℃
Package Dimension (L*W*H)			55*50*17		mm

1. All values referenced without connector. Typical insertion loss of a pair of connectors will be 0.3dB.
2. Relative to 25℃; Under constant drive power for Bright Type; under constant drive voltage for Dark Type.
3. n represents channel number.For 8 CH,it's150*8=1200mW
4. 8CH VOA Array for reference
5. No TEC inside,8CH VOA Array for reference. O-Net can provide caliberation and close-loop control solutions.

#35 Cuijing Road, Pingshan New District, Shenzhen 518118,China

Tel: +86-755-2671 0000 Fax: +86-755-2671 0557

Dimension



8CH VOA Array for reference

PIN Definition

Pin NO		Pin NO	
1	VOA1 -	10	VOA5-
2	VOA1+	11	VOA5 +
3	VOA2 -	12	VOA6 -
4	VOA2+	13	VOA6+
5	VOA3 -	14	VOA7 -
6	VOA3+	15	VOA7+
7	VOA4 -	16	VOA8 -
8	VOA4+	17	VOA8+
9	Ground	18	Ground

Order Information

VOAA-A-B-C-D

A	Operating Wavelength	15: C-band 16: L-band
B	Number of Channels	04: 4 channels 08: 8 channels .....
C	Fiber Type	1: 250 μ m bare fiber 2: 900 μ m fiber
D	Connector Type	0: Without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: Customized