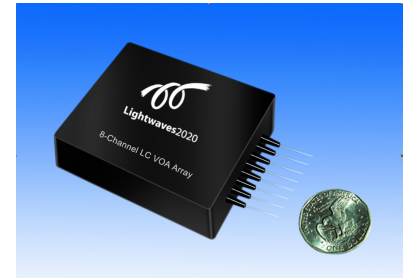


## Specifications

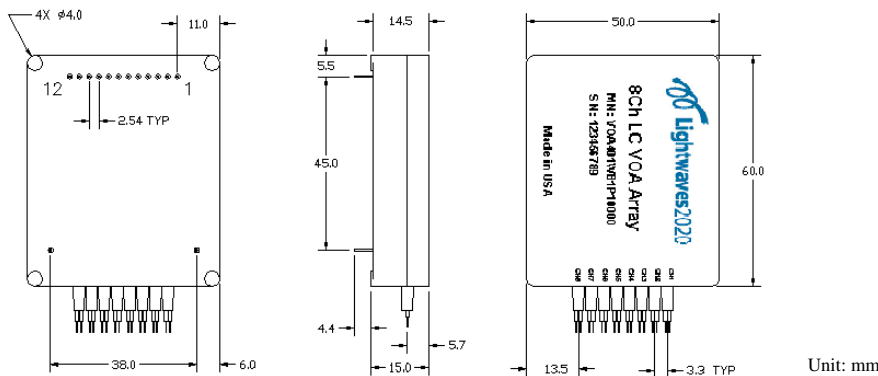
Parameter		Unit	Normal-on			Normal-off		
			C Band	C + L Band	O to L Band	C Band	C + L Band	O to L Band
Operating Wavelength Range	-	nm	C Band	C + L Band	O to L Band	C Band	C + L Band	O to L Band
Insertion Loss	Max	dB	1.0	1.0	1.2	1.1	1.2	1.5
Polarization Dependent Loss	@0dB	Max	dB	0.10	0.10	0.15	0.12	0.20
	@10dB	Max	dB	0.15	0.20	0.30	0.25	0.30
	@20dB	Max	dB	0.25	0.35	0.50	0.35	0.50
Wavelength Dependent Loss	@0dB	Max	dB	0.10	0.15	1.00	0.15	0.20
	@10dB	Max	dB	0.20	0.30	1.50	0.25	0.30
	@20dB	Max	dB	0.40	0.50	2.00	0.50	2.00
Attenuation Range	Min.	dB	20, 30 or 40					
Polarization Mode Dispersion	Max	ps	0.1					
Chromatic Dispersion	Max	ps/nm	0.2					
Return Loss	Min.	dB	≥45					
Attenuation Resolution	Min.	dB/mV	Continuous					
Maximum Optical Power	Min.	mW	300					
Response Rising Time	Max	ms	5					
Response Falling Time	Max	ms	35 (-5°C ~ 23°C), 15 (23°C ~ 70°C)					
Driving Voltage (DC)	-	V	0 ~ 5					
Power Supply Voltage (DC)	-	V	+ 5					
Power Supply Current	Max	mA	300					
Operating Temperature	-	°C	-5 ~ 70					
Storage Temperature	-	°C	-40 ~ 85					
Fiber Length	-	m	1 ± 0.1					
Dimensions	-	mm	50 x 60 x 15					



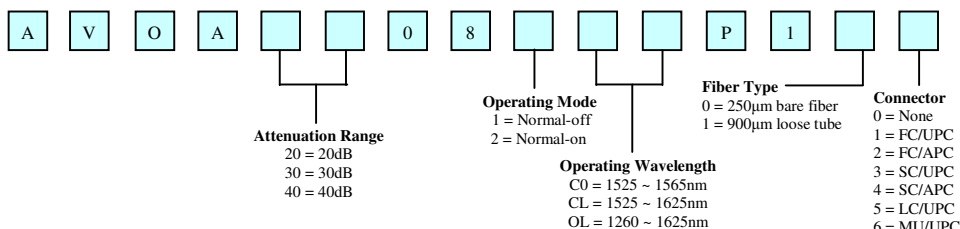
## Features/Benefits

- Small footprint
- No moving parts
- Continuous tuning
- High precise optical power control
- Low insertion loss
- Wide dynamic range
- Built-in driver
- Low power consumption
- Low cost

## Dimensions



## Ordering Information



## Applications

- Network optical power adjustment
- Channel balancing in WDM system
- EDFA gain-tilt and power balancing
- Raman amplifier
- Multi-channel OADM

## Driver Pin Assignment

Pin	Function
1	5V DC
2	GND
3	Channel 1 driving (0~5V)
4	Channel 2 driving (0~5V)
5	Channel 3 driving (0~5V)
6	Channel 4 driving (0~5V)
7	Channel 5 driving (0~5V)
8	Channel 6 driving (0~5V)
9	Channel 7 driving (0~5V)
10	Channel 8 driving (0~5V)
11	GND
12	5V DC