

Liquid Crystal Based 16-Channel Variable Optical Attenuator Array

Features/Benefits

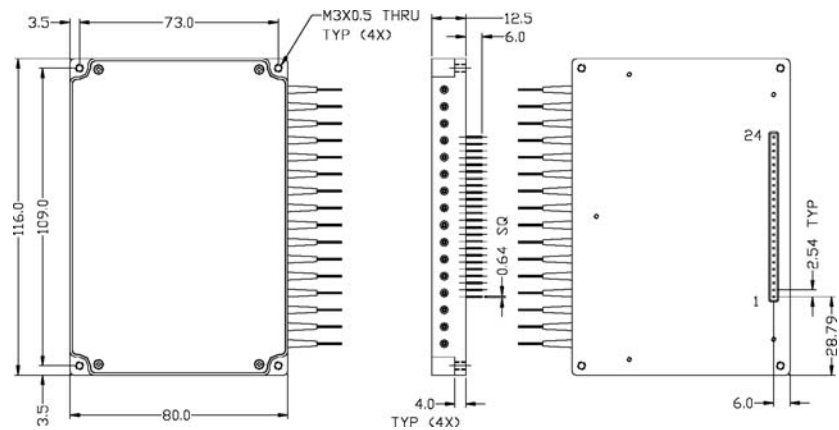
- Small footprint
- Built-in driver
- Continuous tuning without moving parts
- Resistant to mechanical vibration
- Wide operating wavelength range
- Low PDL, WDL
- Slow tuning slope without backlash and hysteresis
- Low cost

Applications

- Channel balancing in DWDM systems (pre-emphasis)
- Power equalization in optical add/drop modules and optical cross-connects
- Gain-tilt and power adjustment in EDFAs
- Receiver protection



Dimensions



Unit: mm

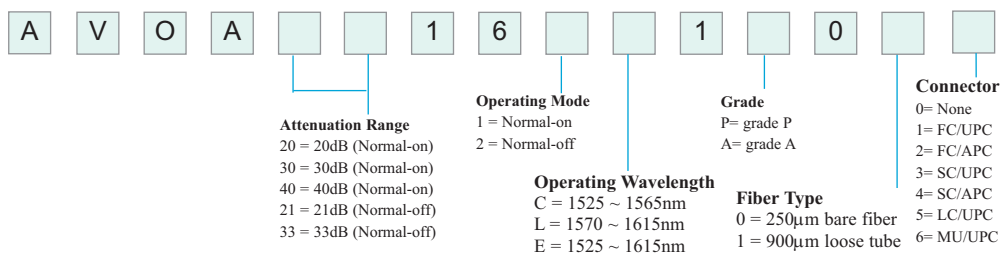


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Absolute Maximum Ratings

Parameter		Unit	Normal-on		Normal-off	
			Grade P	Grade	Grade P	Grade A
Operating Wavelength Range	-	nm	C-band, L-band or C- & L-band			
Attenuation Range	Min.	dB	20, 30 or 40		21 or 33	
Insertion Loss	Max.	dB	1.0	1.2	1.1	1.3
Polarization Dependent Loss	@ 10dB	Max.	0.15	0.2	0.25	0.3
	@ 20dB	Max.	0.25	0.4	0.35	0.5
Wavelength Dependent Loss	@ 10dB	Max.	0.4 @ C-band or L-band			
Polarization Mode Dispersion (PMD)	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 (DC)	-	V	+ 5			
Power Consumption	Max	mW	200			
Operating Temperature	-	°C	-5 ~ 70			
Storage Temperature	-	°C	-40 ~ 85			
Fiber Length	-	m	1 ± 0.1			
Dimensions	-	mm	80 x 116 x 12.5			

Ordering Information



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