

MEMS Variable Optical Attenuator

【Features】

Broad band;
High reliability;
Low insertion loss;
Low Power Consumption;
High Input Power.



【Applications】

Optical power control, equalization and regulate;
Receiver protection;
Instrumentation;
Channel on/off switching.

【Performance Specifications】

Parameter	Unit	Specification	Note
Wavelength Range	nm	1530 - 1610	C+L band
		532 - 1650	other
Attenuation Type		Bright or Dark	
Attenuation Range	dB	≥ 15	
Blocking State Attenuation	dB	20	Dark type
Insertion Loss	dB	≤ 0.7 (0.5 Typical)	Excluding Connectors
Attenuation Resolution		Continuous	
Wavelength Dependent Loss	dB	≤ 0.3	@<0dB Att.
		≤ 1.5	@<20dB Att.
Ripple	dB	≤ 0.05	Within 0.4nm window @20dB
Polarization Dependent Loss	dB	≤ 0.1	@<0dB Att.
		≤ 0.3	@<20dB Att.
Temperature Dependent Loss	dB	≤ 0.2	@<0dB Att. compare with RT
		≤ 1.0	@<20dB Att. compare with RT
Return Loss	dB	≥ 55	
PMD	ps	≤ 0.1	
Response Time	ms	≤ 2 (1 Typical)	10-90% Optical Power
Optical Power Handling	mW	300	
Driving Voltage	VDC	5. 2V or 15V	@5.2 Att , 20 dB
Power Consumption	mW	≤ 2	
Fiber type	-	MM 50/125 , 62.5/125 or 105/125	
Operating Temperature	°C	0 to 70	
Storage Temperature Range	°C	-40 to 85	

[Ordering Information]

Cof	VOA	Port	Operating Wavelength	Grade	Fiber Type	Fiber Length	In/Out Connector
		0101=1X1 0202=2X2	13=1310nm 15=1550nm 16=1625nm X=other	P	1=Bare Fiber	1=1 Meter	0=None
							1=FC/APC
							2= FC/PC
				A	2=900um Jacket	2=2 Meter	3=SC/APC
							4=SC/PC
							5=ST
							6=LC
				XX=other		XX=other	

【Dimensions & Electrical Pin Configuration 】

