



Polarization Maintaining Dense OADM

I&Optics' polarization maintaining Dense OADM can add or / and drop any ITU-T DWDM wavelngths in / out the DWDM system but not influent the other signals. It features low insertion loss, high extinction ratio, high channel isolation and flat band property. It can be used in lasers, telecom, sensors, instruments, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value	
Port Configuration	-	-	1 x M (Add) x N (Drop) x 1	
Filter Type	-	GHz	100	200
Nominal Center Wavelength	Port 1 to Port 3	nm	ITU-T Grid	
Pass Band Wavelength	Port 1 to Port 3	nm	+/-0.11	+/-0.26
Reflect Band Wavelength	Port 1 to Port 2	nm	1500~CWL-0.68 & +0.68~1620	1500~CWL-1.3 & +1.3~1620
Max. In to Drop IL	Port In to Port D1~N	dB	0.8+0.4*(N-1)	0.6+0.4*(N-1)
Max. Add to Out IL	Port A1~M to Port Out	dB	0.8+0.4*(M-1)	0.6+0.4*(M-1)
Max. In to Out IL	Port In to Port Out	dB	0.4*(M+N)	
Min. Drop Isolation	Port In to Port D1~N	dB	25, Typ. 30	
Min. Extinction Ratio	at 23°C, at Slow or Fast Axis	dB	20, Typ. 22(M+N<3), 18, Typ. 20(M+N<5), 16, Typ. 18(M+N<9)	
Max. Thermal Stability	-	dB/°C	0.005(M+N<3), 0.006(M+N<5), 0.008(M+N<9)	
Min. Directivity	Port A1~M to Port D1~N	dB	60	
Min. Return Loss	-	dB	50	
Max. Power Handling Rate	Continuous Wave, Total Power	mW	500 or Specify	
Fiber Type	-	-	PM 1550 Panda Fiber or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 70	
Storage Temperature	-	°C	-40 to 85	

Above values are for device without connectors. For device with connectors, IL will be 0.3dB higher, ER will be 2dB lower, and return loss will 5dB lower.

The default alignment of working polarization and connector key is to slow axis of fiber. Special requirement please call.

Package Dimensions

Detailed Informations and Dimensions Please Contact Us. Customized Design Is Available Upon Request.

Ordering Informations

PMOADM-①-②-③-④-⑤-⑥-⑦

① - Add Center Wavelength	③ - Drop / Add Channel Number	⑤ - Connector Type	⑦ - Fiber Length
CXX - Start CHXX in C-Band	MN - Add M, Drop N	1 - FC/UPC	0.8 - 0.8m
LXX - Start CHXX in L-Band		2 - FC/APC	
SSS - Specify	④ - Filter Type	3 - SC/UPC	
	1 - 100GHz	4 - SC/APC	
② - Drop Center Wavelength	2 - 200GHz		
CXX - Start CHXX in C-Band		⑥ - Fiber Jacket	
LXX - Start CHXX in L-Band		B - Bare Fiber	
SSS - Specify		L - 900um Loose Tube	