

SpectraMux™ - Coarse WDM (Single Channel OADM)

AFOP introduces the Spectramux™ family of products, which are designed for cost effective multiwavelength network applications. Channel spacing of 20 nm with wide bandpass characteristics allow for non-temperature controlled lasers to be used in transmitters. Based on AFOP's proven thin film technology, SpectraMux CWDMs allow for single wavelength to be used for uni- or bi-directional optical add and drop (OADM). Like all AFOP DWDM products, these devices are designed for long life service under the most demanding field conditions. Most connector types are available for terminated ends.



APPLICATIONS

- Sensor Systems
- 10 GB Ethernet
- CATV Systems
- Metro Optical Networks
- Metro Access Networks

FEATURES

- 20 nm Channel Separation
- Bi - Directional
- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path

SPECIFICATIONS - SPECTRAMUX COARSE WDM (SINGLE CHANNEL OADM)

Parameters	OADM		
	Minimum	Typical	Maximum
Center Wavelength λ_c		1470 - 1610 nm	
Drop Channel Insertion Loss		0.6 dB	1.0 dB
Add Channel Insertion Loss		0.6 dB	1.0 dB
Passband Bandwidth	13 nm	15 nm	
Passband Flatness		0.3 dB	0.5 dB
Drop/Add Channel Isolation	30 dB	40 dB	
Express Channel Isolation	30 dB		
Optical Return Loss	50 dB		
Directivity	50 dB		
PDL			0.1 dB
PMD			0.1 ps
Maximum Optical Power		300 mW	
Operating Temperature		- 5°C to + 65°C	
Storage Temperature		- 40°C to + 85°C	
Tensile Load		5N Maximum	

PACKAGE DIMENSIONS:

126 mm x 93 mm x 15 mm ■ Fiber Type: SMF 28e Compatible ■ Pigtail Length: 1 Meter (Standard)

ORDERING INFORMATION:

CW	4	-	3	1	2	N	-	C	N	NNN
						↓		↓	↓	↓
						Package Type		Connector*	ITU Starting Wavelength	000: Standard
						2: 250 μ m Box		A: None	1: 1470 nm	Running number used for special types or custom made
						3: 900 μ m Box		L: LC/PC	2: 1490 nm	
						4: LGX Rack		P: FC/PC	3: 1510 nm	
						Mounted Module		Q: FC/APC	4: 1530 nm	
								S: SC/PC	5: 1550 nm	
								T: SC/APC	6: 1570 nm	
								U: MU/PC	7: 1890 nm	
									8: 1610 nm	

Note:

* Specifications do not include connector loss.

