

SpectraMux™ - Coarse WDM (Single Channel)

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 mux or demux. 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)

Parameters	Single Channel		
	Minimum	Typical	Maximum
Passband Width	$\lambda_c \pm 6.5 \text{ nm}$		
Pass Channel Insertion Loss		0.6 dB	1.0 dB
Reflection Channel Loss		0.4 dB	0.6 dB
Adjacent Channel Isolation	30 dB		
Non-Adjacent Channel Isolation	45 dB		
Isolation of Pass Channel @ Reflection Port	15 dB		
Optical Return Loss	45 dB	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 (900 μm Buffered)		5N Maximum	

PACKAGE DIMENSIONS:

< 44 mm x 6.5 Φ mm ■ Fiber Type: SMF 28 Compatible ■ Pigtail Length: 1 Meter (Standard)

ORDERING INFORMATION:

CW 4	-	N	2	2	N	-	C	N	NNN
		↓			↓		↓	↓	↓
		Mux or DeMux			Package Type		Connector*	ITU Starting Wavelength	000: Standard
		1: Mux 2: DeMux			0: 250 μm Tube 1: 900 μm Tube 2: 250 μm Case 3: 900 μm Case		A: None L: LC/PC P: FC/PC Q: FC/APC S: SC/PC T: SC/APC U: MU/PC	1: 1470 nm 2: 1490 nm 3: 1510 nm 4: 1530 nm 5: 1550 nm 6: 1570 nm 7: 1890 nm 8: 1610 nm	Running number used for special types or custom made

Note:

* Specifications do not include connector loss.