

# SpectraMux™ - Coarse WDM (8 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 four and eight wavelengths to be used for uni- or bi-directional transmission. 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
- Express Channel Available

## SPECIFICATIONS - SPECTRAMUX COARSE WDM (8 CHANNEL)

Parameters	8 Channel		
	Minimum	Typical	Maximum
Center Wavelength $\lambda_c$	1471, 1491, 1511, 1531 nm 1551, 1571, 1591, 1611 nm		
Pass Channel Insertion Loss		2.5 dB	3.0 dB
Optional Express Channel Insertion Loss			3.5 dB
Passband Bandwidth	13 nm	15 nm	
Passband Flatness		0.3 dB	0.5 dB
Adjacent Channel Isolation	30 dB	40 dB	
Non-Adjacent Channel Isolation	40 dB	50 dB	
Optical Return Loss	50 dB		
Directivity	50 dB		
PDL			0.2 dB
PMD			0.2 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:

<b>CW</b>	<b>4</b>	-	<b>N</b>	<b>2</b>	<b>2</b>	<b>N</b>	-	<b>C</b>	<b>1</b>	<b>N</b>	<b>NN</b>
			↓			↓		↓		↓	↓
			<b>Mux or DeMux</b>			<b>Package Type</b>		<b>Connector*</b>		<b>Optional Channel</b>	<b>00: Standard</b>
			0: Mux/DeMux Pair 1: Mux 2: DeMux			2: 250 $\mu$ m Box 3: 900 $\mu$ m Box 4: LGX Rack Mounted Module		A: None L: LC/PC P: FC/PC Q: FC/APC S: SC/PC T: SC/APC U: MU/PC		0: No Express 1: W/Express	Running number used for special types or custom made

### Note:

\* Specifications do not include connector loss.

