Coarse WDM
(Single Channel OADM)

Brotechs introduces the mux 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 Brotechs's proven thin film technology, Mux CWDMs allow for single wavelength to be used for uni-or bi-directional optical add and drop (OADM). Like all Brotechs 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 System**
- **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

Parameters	OADM		
	Minimum	Typical	Maximum
Center Wavelength λc	1471-1611 nm		
Drop Channel Insertion Loss		0.6dB	1.0dB
Add Channel Insertion Loss		0.6dB	1.0dB
Passband Bandwidth	13 nm	15 nm	
Passband Flatness		0.3dB	0.5dB
Drop/Add Channel Isolation	30dB	40dB	
Express Channel Isolation	30dB		
Optical Return Loss	50dB		
Directivity	50dB		
PDL			0.2dB
PMD			0.2ps
Maximum Optical Power	300mW		
Operating Temperature	-5℃ to +65℃		
Storage Temperature	-40℃ to +85℃		
Tensile Load	5N Maximum		

Brotechs Communication Co., Ltd.
Tel: +886-2-8226-2528 Fax: +886-2-8226-2058

Dimensions

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

Ordering Information

			Package Type	Connector *	ITU Starting Wavelength			Wavelength Remark
4240	4	3	12			0		
			2: 250μm Box	0: None	1 : 1471nm			ST: Standard
			3: 900μm Box	1: LC/PC	2 : 1491nm			CM: Customize
			4: LGX Module	2: SC/PC	3 : 1511nm			
			C: Customize	3: ST/PC	4 : 1531nm			
				4: E2000/PC	5 : 1551nm			
				7: FC/PC	6 : 1571nm			
				9: MU	7 : 1591nm			
				A: LC/APC	8 : 1611nm			
				B: SC/APC				
				C: E2000/APC				
				D: FC/APC				

Notes:*Specification do not include connector loss.*

Brotechs Communication Co., Ltd.
Tel: +886-2-8226-2528 Fax: +886-2-8226-2058