

# Product Specification

## Multiplexer CWDM 1x4 (1510nm-1570nm)

### 1. Features

- Loss insertion loss
- Wide band pass
- High Channel Isolation
- High stability and reliability
- Epoxy free on Optical path

### 2. Applications

- Line monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber optical amplifier
- Access network

### 3. Performance Specifications



Parameter		Mux	Demux
Channel Wavelength (nm)		1471,1491 etc or 1470,1490 etc	
Center Wavelength Accuracy (nm)		±0.5	
Channel Spacing (Ghz)		20nm	
Channel Passband (@-0.5dB bandwidth) (nm)		>15	
Pass Channel Insertion loss (dB)		≤2.0	
Reflection Channel Insertion Loss (dB)		≤0.8	
Channel Ripple (dB)		<0.3	
Isolation (dB)	Adjacent	N/A	>30
	Non-adjacent	N/A	>40
Insertion Loss Temperature Sensitivity (dB/°C)		≤0.005	
Wavelength Temperature Shifting (nm/°C)		≤0.002	
PDL (dB)		≤0.15	
PMD (dB)		≤0.1	
Directivity (dB)		≥50	

Parameter	Mux	Demux
Return Loss (dB)	≥45	
Power Handling (mW)	300	
Operating Temperature	0°C ~ 70°C	
Storage Temperature	-40°C ~ 85°C	
Dimensions (mm)	See Order information	

