

Coarse Wavelength Division Multiplexer



Applications

- CWDM systems
- Metro/Access networks
- CATV network

Features

- Extend temperature range
- Flat and Wide passband
- High demux channel isolation

Specifications

Parameters	4 Channel		8 Channel		16 Channel	
	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength (nm)	1270 - 1610					
Central wavelength Accuracy (nm)	±0.5					
Channel space (nm)	20					
Channel Pass band (@-0.5dB) bandwidth (nm)	>13					
Insertion Loss (dB)	≤1.6		≤2.5		≤3.5	
Channel Uniformity (dB)	≤0.6		≤1.0		≤1.5	
Channel Ripple (dB)	<0.3					
Adjacent channel isolation (dB)	N/A	≥30	N/A	≥30	N/A	≥30
Non-adjacent channel isolation (dB)	N/A	≥40	N/A	≥40	N/A	≥40
Insertion Loss Temperature Sensitivity (dB/ °C)	<0.005					
Wavelength Temperature Shifting (nm/ °C)	<0.002					
Directivity (dB)	≥55					
Return loss (dB)	≥45					
PDL Polarization Dependent Loss (dB)	≤0.1					
PMD Polarization Mode Dispersion (ps)	≤0.1					
Power handling (mW)	≤300					
Operating temperature (°C)	-5 ~ +75					
Storage temperature (°C)	-40 ~ +85					
Dimensions (mm)	L100 x W80 x H10 (2 CH~8CH)L140xW100xH15 (9 CH~18CH))					

Above specification are for device without connector

Ordering Information

Configuration	Channels	1st Channel	Fiber Length	Fiber Type	Connector
M=Mux D=Demux O=OADM	04=4 Channel 08=8 Channel 16=16 Channel 18=18 Channel Others	27=1270n 47=1470nm 49=1490nm 61=1610nm SS=special	1=1m 2=2m ...	1=Bare fiber 2=900um Loose tube 3=2mm Cable 4=3mm Cable	0=none 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=LC