MODEL

CWDM MODULE

DESCRIPTION

CWDM components are based on proven thin-film filter technology and can be used in multi-channel CWDM module. CWDM module is cascaded with 1×2 CWDM components.

FEATURES

- Wide pass band
- High isolation
- Low insertion loss
- High stability and reliability

APPLICATIONS

- CWDM

SPECIFICATIONS

Parameter \ Type		CWDM Component	CWDM Module	
		1×2 Device	4 Channels	8 Channels
Central wavelength (nm)		1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411,1431 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611		
Operating wavelength (nm)		1260~1460 or 1460~1620 or 1260~1620	Per CW Selections	
Insertion loss (dB)	Transmission	≤0.6	≤2.4	≤3.3
	Reflection	≤0.4 @ 1260~1640 or 1460~1620 ≤0.6 (@ 1260~1620	N/A	N/A
Channel space (nm)		20		
Channel bandwidth (nm)		λc ± 6.5		
Channel flatness (dB)		≤0.4		
Channel uniformity (dB)		N/A	≤1.0	
Isolation (dB)	Demux adjacent channel	≥30		
	Demux non-adjacent channel	≥40		
	Reflection channel	≥15	N/A	
Directivity (dB)		≥55		
Return loss (dB)		≥50		
PDL (dB)		≤0.25		
PMD (ps)		≤0.2		
Wavelength thermal stability (nm/°C)		≤0.008		
Power handling (mW)		≤500		
Operating temperature (°C)		-40 ~ +70		
Storage temperature (°C)		-40 ~ +85		
Device Dimensions (mm)		Φ5.5× L34	N/A	N/A
Cassette Dimension (mm)		N/A	100x80x10	100x80x10
LGX Dimension (mm)		N/A	1W (130x127x29)	2W (130x127x58)

*The above specification is without connector **Other specifications can be made on customer request.

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