

1×2 CWDM Component

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.



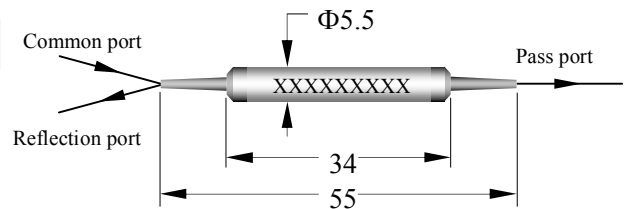
Key Features

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



Applications

- * CWDM systems



Specifications

Parameter	CWDM Component		CWDM Module		
	1×2		4 Channels	8 Channels	16 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				
Insertion loss (dB)	Transmission	≤0.6	≤1.8	≤2.5	≤3.5
	Reflection	≤0.4(@1260~1460 or 1460~1620) ≤0.6(@1260~1620)			
Channel space (nm)	20				
Channel bandwidth (nm)	$\lambda_c \pm 6.5$				
Channel flatness (dB)	≤0.4				
Isolation (dB)	Demux adjacent channel	≥30			
	Demux non-adjacent channel	≥40			
	Mux or reflection channel	≥15			
Directivity (dB)	≥50				
Return loss (dB)	With APC & no connector	≥50			
	With PC connector	≥45			
PDL (dB)	≤0.15				
Insertion loss thermal stability (dB/°C)	≤0.005				
Power handling (mW)	≤500				
Operating temperature (°C)	-5 ~ +70				
Storage temperature (°C)	-40 ~ +85				
Dimensions (mm)	Φ5.5× L34	100×80×10	125×96×16	141×115×18	

*The above specification is without connector

*Other specifications can be made on customer request.

Product information is subject to change without notice.

Ordering Information

CWDM-X-XXX-TXXXX-X-X-X-XX/XXX-XX*XX

