



CWDM Module

Features	Applications
High Isolation Low Insertion Loss High Reliability	CWDM system Metro/Access Networks CATV Network

Specifications

Parameter			Unit	4 ch	8 ch	16ch	18ch
Central Wavelength			nm	1271, 1291, 1311, 1571, 1591, 1611			
Channel space			nm	20nm			
Channel bandwidth			nm	$\lambda_c \pm 6.5$			
Channel flatness			dB	≤ 0.4			
Insertion Loss			dB	≤ 2.0	≤ 3.0	≤ 5.0	≤ 5.3
Isolation	Mux	Adjacent	dB	≥ 15			
		Non-adjacent	dB	≥ 15			
	Demux	Adjacent	dB	≥ 30			
		Non-adjacent	dB	≥ 40			
Polarization Dependent Loss			dB	≤ 0.15		≤ 0.20	
Channel uniformity			dB	≤ 1.0			
Directivity			dB	> 55			
Return Loss				> 50			
Wavelength thermal stability			nm/ ℃	≤ 0.003			
Insertion loss thermal stability			dB/ ℃	≤ 0.005			
Power handling			mW	≤ 500			
Operating temperature			℃	$0 \sim +70$			
Storage temperature			℃	$-40 \sim +85$			
Dimensions			mm	100x80x10		141x115x18	

Ordering Information

DWDM	Type	Channel	Wavelength	Pigtail	Fiber	Length	Connector	Package
	M=Mux	4=4ch	1271	1=900um	0=SMF-28e	0.5m	FC,SC,LC,ST, MU/UPC, APC	100x80x10
	D=De	8=8ch	1291	loose		1m		141x115x18
	mux	16=16ch		2=2mm loose				
		18=16ch	1611	tube 3=3mm loose tube				