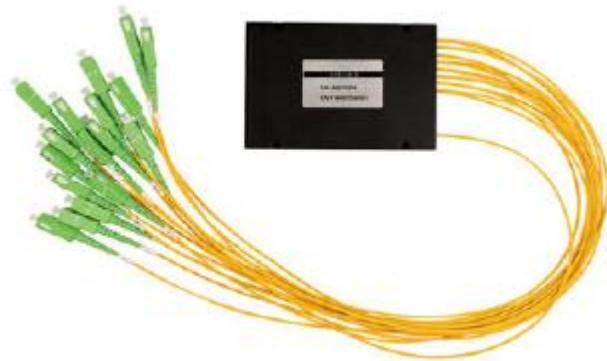


DWDM Module Spec

Dense wave division multiplexing uses the wavelength of the laser to transmit data within the fiber in parallel transmission of bits or string line transmission. It utilizes thin-film coating technology and the design of proprietary non-flux metal weld micro optical packaging to achieve the up and down lines of light within ITU wavelengths. DWDM is an important part of fiber optic network, which allows IP protocol, ATM and synchronous fiber optic network/synchronous digital sequence (SONET/SDH) protocol to carry the e-mail, video, multimedia, data and voice data are transmitted through a unified fiber layer.

Features

- Low Insertion Loss
- Light Road is glue-free
- High isolation
- High stability and reliability



Application

- Wave division multiplexing system
- Metro network
- CATV system

Performance Specifications

Parameters	Specifications			Unit
	4CH	8CH	16CH	
Operating Wavelength	1460-1620			nm
Channel Wavelength	ITU Grid			nm
Channel Spacing	100/200			GHz
Channel Passband(@-0.5dB bandwidth)	≥0.3			nm
Insertion Loss ¹	≤1.8	≤3.0	≤3.5 ≤5.0	dB
Isolation	Adjacent	≥30		
	Non-adjacent	≥40		
Insertion Loss Temperature Sensitivity	≤0.5			dB
Ripple	≤0.5			dB
Wavelength Temperature Shifting	≤0.002			nm/°C
Polarization Dependent Loss	≤0.2			dB
Polarization Mode Dispersion	≤0.1			ps
Directivity	≥50			dB
Return Loss	≥45			dB
Maximum Power Handling	300			mW
Operating Temperature	-10~+70			°C
Storage Temperature	-40~+85			°C
Package size	L100×L80×H10		L120×L80×H18	mm

*Notes: 1. Insertion Loss tested without connector.

Order information:

DWDM Module PN: DWDMM-XXXXXXXXXX-XX (DWDMM+10 Code+2 Serial Number)

DWDMM	XX	XX	X	X	X	X	X	X	X	X	XX
	Channel	Start Channel	Package Type	Fiber Jacket	Fiber Length	Connector	Type			Spacing	
01	1CH	20	C20	A ABS:90×20×10	0 250um Bare Fiber	0 0.5m	0 none	M	Mux	1 100G	
02	2CH	21	C21	B ABS:80×58×8	1 0.9mm Loose	1 1.0m	1 SC/UPC	D	Demux	2 200G	
03	3CH	22	C22	C ABS:80×60×12	2 2.0mm Loose	2 1.5m	2 SC/APC	A	Mux+Demux	5 50G	S
04	4CH	23	C23	D ABS:100×45×10	3 3.0mm Loose	3 2.0m	3 FC/UPC	B	(M)+UPG		
05	5CH	...	E ABS:100×80×10	4 0.9mm Tight Tube	4 2.5m	4 FC/APC	C	(D)+UPG			
06	6CH	...	F ABS:120×80×18	5 2.0mm Tight Tube	5 3.0m	5 LC/UPC	E	(M)+TAP+UPG			
07	7CH		G ABS:140×114×18	6 3.0mm Tight Tube	6 3.5m	6 LC/APC	F	(D)+TAP+UPG			
08	8CH		H Metal Box	M MM Fiber	7 0.7m	7 ST/UPC	G	(M)+Skip			
16	16CH		J Insert Box	P PM Fiber	8 1.2m	8 E2000	H	(D)+Skip			
20	20CH		K Rackmount	S Special	9 2.7m	9 MPO	1	(M)+Skip+TAP			
24	24CH		L LGX Box	S Special	S Special	S Special	2	(D)+Skip+TAP			
32	32CH		M Pallet Type				3	(M)+Skip+TAP			
40	40CH		S Special				4	(D)+Skip+TAP+UPG			
...	...						5	(M)+TAP			
							6	(D)+TAP			
							S	Special			