

DWDM Module Spec

Dense wave division multiplexing uses the wavelength of the laser to transmit data within the fiber in parallel transmission of bitbits or string line transmission. It utilizes thin-film coating technology and the design of proprietary non-flux metal weldmicro optical packaging to achieve the upand and downlines 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			dB
	Non-adjacent	≥40			dB
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 Handing		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 ModulePN: DWDM-XXXXXXXX-XX (DWDM+10 Code+2 Serial Number)																
DWDM	XX		XX		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
	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	ITUChannel		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	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		