100GHz DWDM Module

Features

- High Demux Channel Isolation
- Low Polarization Dependent Loss
- Flat and Wide Passband
- High Reliability

Applications

- Long Haul DWDM System
- Metro DWDM System
- Access/Enterprise Network
- Test Instrument

Specifications

Parameters			Unit	4	8	16	32	40
Channel Wavelength			nm	ITU 100 GHz Grid				
Center Wavelength Accuracy			nm	± 0.05				
Minimum Channel Spacing			GHz	100 (0.8nm)				
Channel Passband (@-0.5dB bandwidth)			nm	> 0.22				
Insertion Loss			dB	< 1.8	< 3.2	< 4.2	< 5.4	< 6.0
Channel Uniformity			dB	< 0.6	< 1.0	< 1.5	<2.0	< 2.0
Channel Ripple			dB	< 0.3				
Isolation	Mux	Adjacent	dB	N/A				
		Non-adjacent	dB	N/A				
	Demux	Adjacent	dB	> 25				
		Non-adjacent	dB	> 35				
Insertion Loss Temperature Sensitivity			dB/℃	< 0.003				
Wavelength Temperature Shifting			nm/℃	< 0.002				
PDL			dB	< 0.10	< 0.11	< 0.25	< 0.25	< 0.30
PMD			ps	< 0.10				
Directivity			dB	> 50				
Return Loss			dB	> 45				
Power Handling			mW	≤300				
Operating Temperature			℃	0 ~ +70				
Storage Temperature			℃	-40 ~ +85				
Dimensions			mm	100x80x10	100x80x10	120X80X18	150x95x25	150x110x19

Ordering Information

DWDM- ①-②-③-④④-⑤⑤⑤-⑥-⑦-⑧⑧

①	Type	M=Mux; D=Demux;
②	Channel Space	1=100Ghz; 2=200Ghz;
③	Channel Type	4=4ch; 8=8ch; 16=16ch;32=32ch; 40=40ch;
④	Start Channel Number	21=21ch; 21*=21*ch; 22=22ch; 22*=22*ch; ……; 72*=72*ch;
⑤	Pigtail Type	250=250um Fiber; 900=900um Loose Tube; 3mm=3mm Loose Tube;
⑥	Fiber Type	1=SMF-28e;
⑦	Fiber Length	1=1m;
⑧	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;