

High Isolation Dense Wavelength Division Multiplexer (DWDM)

Features

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

Applications

Quantum Computer System
Metro DWDM System
Test Instrument



Specifications

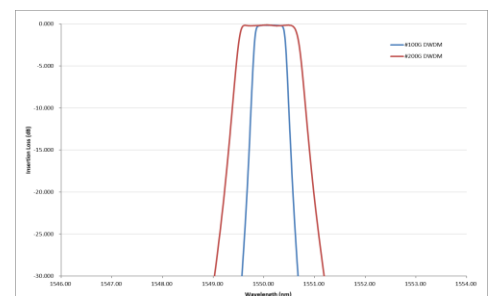
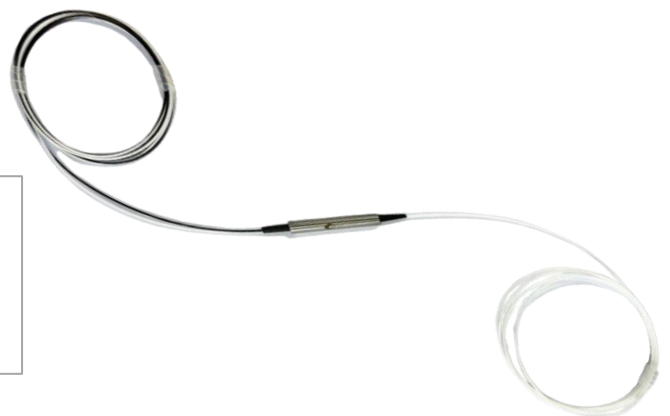
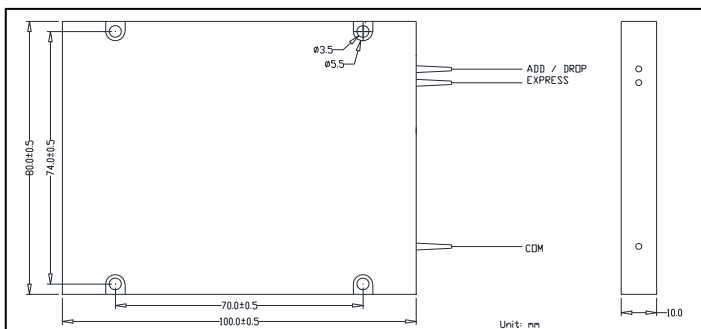
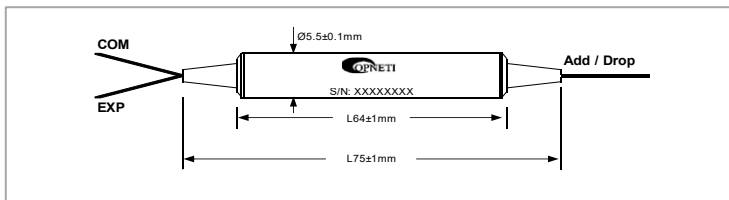
Parameters		Unit	100G, HDWDM1	100G, HDWDM2	200G, HDWDM1	200G, HDWDM2
Channel Wavelength CWL		nm	ITU Grid			
Center Wavelength Accuracy		nm	±0.05			
Channel Passband (@-0.5dB Bandwidth)		nm	≥0.22, typ 0.4		≥0.50, typ 0.8	
Insertion Loss ^[1]	Add / Drop CH	dB	≤1.5	≤1.8	≤1.5	≤1.8
	Express CH	dB	≤0.5			
Isolation ^[2]	Add / Drop CH	dB	≥80	≥120	≥80	≥120
	Express CH	dB	≥15			
Insertion Loss Temperature Sensitivity		dB/°C	≤0.003			
Wavelength Temperature Shifting		nm/°C	≤0.002			
Polarization Dependent Loss (PDL)		dB	≤0.30			
PMD		ps	≤0.10			
Directivity		dB	≥50			
Return Loss (RL)		dB	≥45			
Fiber Type			SMF-28e			
Fiber Length		m	1.0			
Power Handling		mW	≤300			
Operating Temperature		°C	-0 ~ +70			
Storage Temperature		°C	-40 ~ +85			
Dimensions		mm	φ5.5x64	100x80x10	φ5.5x64	100x80x10

^[1] Insertion Loss +0.2dB, Return Loss -5dB if add connector.

^[2] Test at non-adjacent Channel.

* RoHS Compliant.

Package Dimensions



Ordering Information

HDWDM1- ①-②②②-③③-④④④-⑤-⑥-⑦⑦-⑧⑧⑧⑧⑧⑧
 HDWDM2- ①-②②②-③③-④④④-⑤-⑥-⑦⑦-⑧⑧⑧⑧⑧⑧

①	Channel Space	1=100GHz; 2=200GHz;
②	Port Type	1x2; 1x1(no EXP port);
③	ITU Grid	21=21ch; 21*=21*ch; 22=22ch; 22*=22*ch; ...; 72*=72*ch;
④	Pigtail Type	250=250μm Bare Fiber; 900=900μm Loose Tube;
⑤	Fiber Type	1=SMF-28e;
⑥	Fiber Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑧	Package	5.5x64;