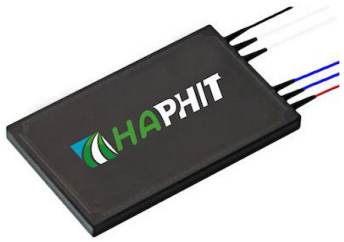
DWDM Multi-Channel Mux/Demux Module for Pulse Power

Features

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

Applications

- Broadband Systems
- Optical Add/Drop Multiplexing
- Telecommunication Networks
- Metro Networks
- DWDM Systems



Specifications

Parameters		Unit	Value			
			4-Ch	8-Ch	16-Ch	32-Ch
Center Wavelength		nm	1528-1640, ITU Grid			
Channel Spacing		Hz	100G / 200G			
Channel Passband Width		nm	+/-0.11 / +/-0.25			
Insertion Loss	100G	dB	≤2.5	≤4.0	≤6.0	≤6.5
	200G	dB	≤2.2	≤3.5	≤5.5	≤6.0
Adjacent Channel Isolation		dB	≥25 for DeMux, ≥15 for Mux			
Non-adjacent Channel Isolation		dB	≥40 for Demux, ≥25 for Mux			
Optical Return Loss		dB	≥45			
Directivity		dB	≥50			
Polarization Dependent Loss		dB	≤0.2			
Polarization Mode Dispersion		ps	≤0.1		≤0.2	
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)			
Fiber Tensile Load		N	5			
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5			
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20			
Operating Temperature		°C	0~70			
Storage Temperature		°C	-40~85			
Package Dimension		mm	^{L}100x^{W}80x^{H}10		^{L}120x^{W}80x^{H}18	^{L}140x^{W}115x^{H}18

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

Ordering Information (PN)

FDWM-N C C - CNN -H NN P NN - (C) C NN - CC/CCC

Channel Spacing	Channel Number	Type	Starting ITU Channel#	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1= 100GHz	4= 4-Channel	M=Mux	C34= C34 Channel	03=300mW	01=100W	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
2= 200GHz	8= 8-Channel	D=DeMux	H40= H40 Channel	1= 1W	1= 1kW	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	H= 16-Channel		C20= C20 Channel	2= 2W	10=10kW	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	T= 32-Channel		L00= L00 Channel	5=5W	20= 20kW	*Blank* for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector