

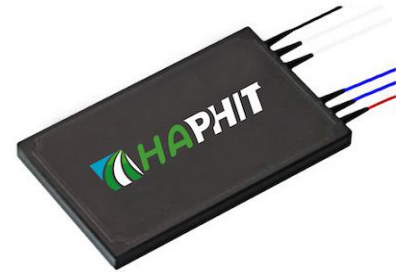
## DWDM Multi-Channel Mux/Demux Module

### 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	≤2.5	≤4.0	≤6.0	≤6.5
	200G	≤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			
Pass Channel Ripple	dB	≤0.5			
Channel Uniformity	dB	≤1.0	≤1.5	≤2.0	
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			
Maximum Optical Power (CW)	mW	300			
Operating Temperature	°C	0~70			
Storage Temperature	°C	-40~85			
Package Dimension	mm	L100xW80xH10	L120xW80xH18	L140xW115xH18	

- 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. 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.
  4. Package size may be different for different optical power and configurations.

### ORDERING INFORMATION (PN)

FDWM- N	C	C	- CNN	- (C)	C	NN	- CC/CCC
Channel Spacing	Channel Number	Type	Starting ITU Channel#	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1- 100GHz	4- 4-Channel	M=Mux	C34- C34 Channel	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
2- 200GHz	8- 8-Channel	D=DeMux	H40- H40 Channel	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	H= 16-Channel		C20- C20 Channel	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	T= 32-Channel		L00- L00 Channel	Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector