

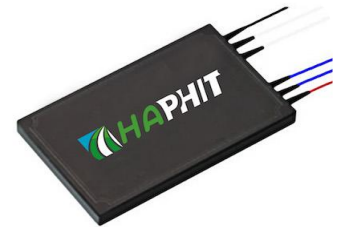
High Power DWDM Multi-Channel Mux/Demux Module

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	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				
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				
Max. Optical Power (CW)	W	1, 2, 3, 5				
Operating Temperature	°C	0~70				
Storage Temperature	°C	-40~85				
Package Dimension	mm	L100x ^W 80x ^H 10		L120x ^W 80x ^H 18	L140x ^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	-HP	N	-	(C)	C	NN	-	CC/CCC
Channel Spacing	Channel Number	Type		Starting ITU Channel#	Optical Power	Fiber Type		Fiber Sleeve	Fiber Length	Connector Type		
1= 100GHz	4= 4-Channel	M=Mux		C34= C34 Channel	1=1W	O=10/130 DC Fiber		B= Bare fiber	05=0.5m	N=Without Connector		
2= 200GHz	8= 8-Channel	D=DeMux		H40= H40 Channel	2=2W	T=12/130 DC Fiber		L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
	H= 16-Channel			C20= C20 Channel	3=3W	G=25/300 DC Fiber		2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
	T= 32-Channel			L00= L00 Channel	5=5W	Blank for SMF-28 Fiber		3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		

