

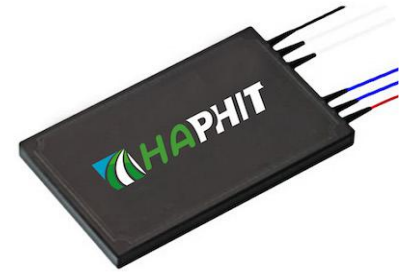
## CWDM Multi-Channel Mux/DeMux Module for Pulse Power

### 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/Access Networks
- CWDM Systems



### SPECIFICATIONS

Parameters	Unit	Value		
		4-Ch	8-Ch	16-Ch
Center Wavelength	nm	1270~1610, 1271~1611		
Channel Spacing	nm	20		
Channel Passband Width	nm	+/-6.5		
Insertion Loss	dB	≤2.0	≤2.8	≤5.0
Adjacent Channel Isolation	dB	≥30 for DeMux, ≥15 for Mux		
Non-adjacent Channel Isolation	dB	≥40 for Demux, ≥25 for Mux		
Pass Channel Ripple	dB	≤0.3		
Channel Uniformity	dB	≤1.0		≤1.5
Optical Return Loss	dB	≥45		
Directivity	dB	≥50		
Polarization Dependent Loss	dB	≤0.15		
Polarization Mode Dispersion	ps	≤0.1		
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, 10		
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	L100x <sup>W</sup> 80x <sup>H</sup> 10		L142x <sup>W</sup> 102x <sup>H</sup> 14.5

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

### ORDERING INFORMATION (PN)

FCWM- <b>N</b>	<b>C</b>	- <b>NNNN</b>	-H <b>NN</b>	<b>P</b> <b>NN</b>	- ( <b>C</b> )	<b>C</b>	<b>NN</b>	- <b>CC/CCC</b>
Channel Number	Type	Starting Wavelength	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
4= 4-Channel	M=Mux	1471- 1471nm	03=300mW	01=100W	0=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
6= 6-Channel	D=DeMux	1550- 1550nm	1= 1W	1= 1kW	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
8= 8-Channel		1270- 1270nm	10=10W	10=10kW	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
H= 16-Channel		1310- 1310nm	20= 20W	20= 20kW	Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector