

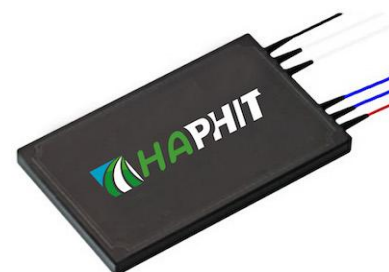
CWDM Multi-Channel Mux/DeMux Module

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
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		
Maximum Optical Power (CW)	mW	300		
Operating Temperature	°C	0~70		
Storage Temperature	°C	-40~85		
Package Dimension	mm	(L)100x(W)80x(H)10		(L)142x(W)102x(H)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. 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)

FCWM-	C	C	-	NNNN	-	(C)	C	NN	-	CC/CCC
Channel Number	Type	Starting Wavelength		Fiber Type		Fiber Sleeve		Fiber Length		Connector Type
4- 4-Channel	M=Mux	1471-1471nm		O=10/130 DC Fiber		B= Bare fiber		05=0.5m		N=Without Connector
6- 6-Channel	D=DeMux	1290-1290nm		T=12/130 DC Fiber		L= Loose Tube		10=1.0m		FC/APC=FC/APC Connector
8- 8-Channel		1531-1531nm		G=25/300 DC Fiber		2= 2mm Cable		15=1.5m		LC/PC=LC/PC Connector
H= 16-Channel		1310-1310nm		Blank for SMF-28 Fiber		3= 3mm Cable		20=2.0m		SC/UPC=SC/UPC Connector

