

MCWMM 18 Channel

Mini CWDM Mux/Demux Module

Features:

- Mini Size and High Reliability
- Cover all the CWDM Wavelength
- Low Insertion Loss and Better Uniformity
- Ultra High Thermal Stability
- Epoxy-Free in Optical Path
- RoHS Compliant



Applications:

- CWDM System
- CATV System

Specifications^{1, 2}:

Parameter	Unit		
Channel Number	Ch		18
Central Wavelength (l c)	nm		1270, 1290...1610 or 1271, 1291...1611
Passband	Min.	nm	l c+/-6.5
Isolation	Mux	Adjacent Channel	Min. 30
		Non-adjacent Channel	Min. 40
	Demux	Adjacent Channel	Min. 30
		Non-adjacent Channel	Min. 40
Insertion Loss	Pass Channel	Max. dB	1.8(typ.)/2.5(max.)
Ripple in Passband	Max.	dB	0.5
Directivity	Min.	dB	50
Polarization Dependent Loss	Max.	dB	0.20
Polarization Mode Dispersion	Max.	ps	0.10(DG)
Return Loss	Min.	dB	45
Fiber Type	Corning SMF-28e with 900mm Loose tube		
Connector Type	TBD		
Fiber Length ³	m		1.0+/-0.1
Power Handling	Max.	mW	300
Operating Temperature	°C		0~70
Storage Temperature	°C		-40~85
Package Dimension	mm		(L)60 (W)50 (H)7

1. All specifications include the effect of operating temperature and all states of polarization.
2. Values referenced without connectors and insertion loss for a connector-pair is 0.20dB (typ.) and 0.30dB (max.).
3. Fiber length includes rubber boot and excludes the connector.

Dimension:

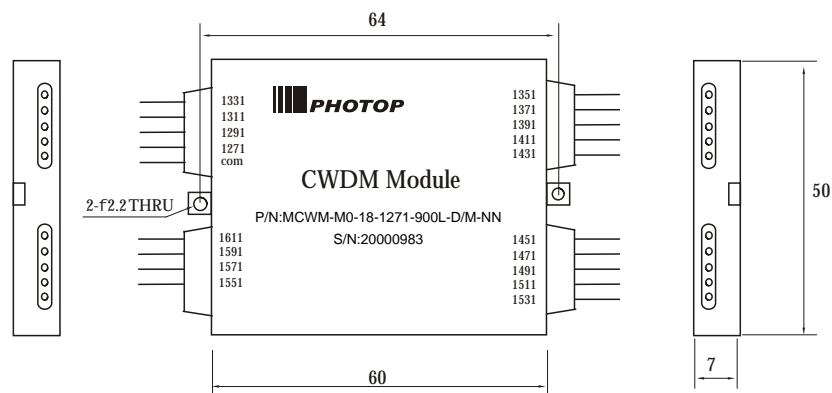


Figure 1. 18 Channel Mini CWDM Module

Order Information:

MCWM - XX - 18 - XXXX - XXXX - X - XX
A B C D E F

A	Express Ports	M0=Without any Express port S0=Custom
B	Channel Number	18=18 channels
C	Initial Channel	1270=Central wavelength 1270nm... 1271=Central wavelength 1271nm...
D	Fiber Type	250S=Corning SMF-28e 900L=Corning SMF-28e with 900mm loose tube
E	Mux/Demux	M=Mux D=Demux
F	Connector	NN=W/O connector XY=With connector ¹

1. Please specify the type of connector as below when ordering.

Mechanical Type	Other	SC	FC	ST	MU	LC
X	0	1	2	3	4	5
Physical Contact Type	Other	PC	UPC	APC		
Y	0	1	2	3		