



Polarization Maintaining CWDM

I&Optics' polarization maintaining CWDM can divide two different ITU-T CWDM wavelengths into two output ports or multiplex two different ITU-T CWDM wavelengths into one same output port with very low loss. It features low insertion loss, high extinction ratio, high channel isolation and flat band property. It can be used in lasers, telecom, sensors, instruments, testing systems and R&D.

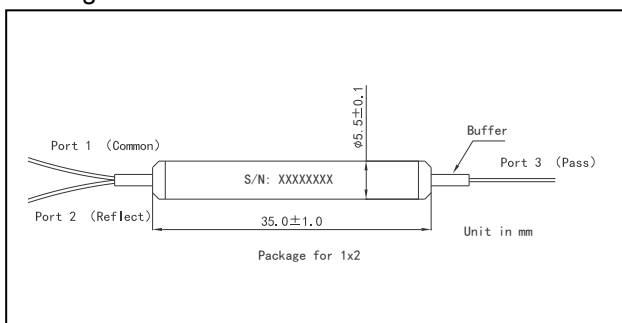
Specification

Parameter	Test Condition	Unit	Value
Port Configuration	-	-	1x2
Filter Type	-	-	CWDM
Nominal Center Wavelength	Port 1 to Port 3	nm	1230/1231,..., 1470/1471, 1490/1491,...,1610/1611
Pass Band Wavelength	Port 1 to Port 3	nm	+/-6.8
Reflect Band Wavelength	Port 1 to Port 2	nm	1215~CWL-13.0 & +13.0~1625
Max. Pass Band IL	Port 1 to Port 3	dB	0.50, Typ. 0.35
Max. Reflect Band IL	Port 1 to Port 2	dB	0.50, Typ. 0.35
Min. Pass Band Isolation	Port 1 to Port 3	dB	30, Typ. 35
Min. Reflect Band Isolation	Port 2 to Port 1	dB	13, Typ. 15
Min. Extinction Ratio	at 23°C, at Slow or Fast Axis	dB	21, Typ. 23
Max. Thermal Stability	-	dB/°C	0.005
Min. Directivity	Port 3 to Port 2	dB	50
Min. Return Loss	-	dB	50
Max. Power Handling Rate	Continuous Wave, Total Power	mW	500 or Specify
Fiber Type	-	-	PM 1300 or 1550 Panda Fiber or Specify
Max. Fiber Tensile Load	-	N	5
Operating Temperature	-	°C	-5 to 70
Storage Temperature	-	°C	-40 to 85

Above values are for device without connectors. For device with connectors, IL will be 0.3dB higher, ER will be 2dB lower, and return loss will 5dB lower.

The default alignment of working polarization and connector key is to slow axis of fiber. Special requirement please call.

Package Dimensions



Ordering Informations

PMCWDM-①-②-③-④-⑤

① - Center Wavelength

XXXXX - XXXXnm

SSSS - Specify

② - Operating Window

1 - only over 1455~1625nm

2 - over 1215~1625nm

③ - Connector Type on port 1/2/3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

⑤ - Fiber Length

0.8 - 0.8m

④ - Fiber Jacket on Port 1/2/3

B - Bare Fiber

L - 900um Loose Tube