

## Polarization Maintaining CWDM Components

FIBERWDM can support three port Polarization Maintaining CWDM (PM CWDM) Components, wavelength is 1270nm to 1610nm, channel spacing is 20nm. The PM CWDM Components are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability, so great used in CWDM network, and high speed communication system and instrumentation .

### Features

- ◆ Low insertion loss
- ◆ High Extinction Ratio
- ◆ High channel isolation
- ◆ High stability and reliability



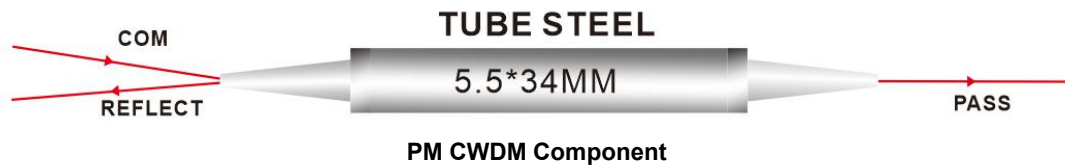
### Specifications

Parameter	Unit	CWDM
Operating Wavelength	nm	1270~1610nm
Center Wavelength Accuracy	nm	± 0.5
Channel Spacing	GHz	20nm
Channel Pass band (@-0.5dB bandwidth) Min.)	nm	>13
Pass Channel Insertion Loss	dB	≤0.9
Reflection Channel Insertion Loss	dB	≤0.6
Channel Ripple	dB	< 0.3
Pass Channel Isolation	dB	>30
Reflection Channel Isolation (Non-adjacent)	dB	>15
Extinction Ratio @ 23°C	dB	> 20
Directivity	dB	>55
Return Loss	dB	>45
Maximum Power Handling	mW	300
Fiber Type	-	PM Panda Fiber
Operating Temperature	°C	0 ~+65
Storage Temperature	°C	-40 ~+85
Package Dimension	mm	Φ5.5 x L35

1. Above specifications are for device without connector, and the PM WDM device is both axis working. All parameters are tested at room temperature.
2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower. Power transmits through the connector less than 2W. The default connector key is aligned to slow axis.
3. For >10W high power applications, we will use heat sink package, contact FIBERWDM for details.
4. If there is pulse application, please be sure to inform us of pulse energy and peak power.

5. 1XN PM CWDM module is also available, please contact FIBERWDM.

**Package Information**



**Order Information**

PMC-	-Channel-	-Package	Connector-	Pigtails Diameter	Fiber Length	Working Axis
	27:1270nm	S: steel tube	01U/A: LC/UPC or LC/APC	25:250µm bare fiber	05:0.5m	B: Both axis working
	29:1290nm	X: others	02U/A: SC/UPC or SC/APC	90:900µm Loose Tube	10:1.0m	
	....		03U/A: FC/UPC or FC/APC	XX: Others	15:1.5m	
	61:1610nm		04U/A: others		XX: Others	

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250µm bare fiber pigtail.

Part Number Example: PMC-27-S-01A-90-10-B

Description: Polarization Maintaining CWDM, 1270nm, LC/APC all ports, 0.9mm 1.0m fiber, Steel tube, Both axis working.

If you need to customize other specifications, please provide detailed description for your requirement, and contact us by email: [sales@fiberwdm.com](mailto:sales@fiberwdm.com)