

PM CWDM Device

Features

- Low Insertion Loss
- High Return Loss
- High Channel Isolation
- Wide Transmission Width
- High Reliability & Stability

Applications

- CWDM System
- CWDM/OADM Module
- CWDM/OADM Networks

Specifications

Parameters	Unit	Values
Central Wavelength	nm	ITU or ITU+1
Operating Wavelength	nm	1260~1460 or 1460~1620 or 1260~1620
Channel Space	nm	20
Min. Channel Bandwidth@ λ_c	nm	± 6.5
Max. Channel Flatness	dB	0.4
Max. Insertion Loss	Transmission Channel	0.6
	Reflection Channel	0.4 (1260~1460 or 1460~1620) or 0.6(1260~1620)
Min. Isolation	Adjacent Channel	30
	Non-adjacent Channel	40
	Reflection Channel	12
Directivity	dB	55
Min. Return Loss	dB	50
Min. Extinction Ratio at 23°C	dB	18
Max. Wavelength Thermal Stability	nm/°C	0.003
Max. Insertion Loss Thermal Stability	dB/°C	0.005
Max. Power Handling	mW	500
Operating Temperature	°C	0~+70
Storage Temperature	°C	-40~+85

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower.

The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMCWDM-11-234-555-678-999

11	-Center Wavelength:	27=1270nm or 1271nm,,55=1550 or 1551nm,.....,61=1610nm or 1611nm
2	-Operating Wavelength:	F=Full wave(1260nm~1620nm), H=Half wave(1260~1460 or 1460~1620)
3	-Port Type:	3=1x2
4	-Axis Alignment for Signal Route:	B=Both Axis Working, F=Slow Axis Working, Fast Axis Blocked
555	-Fiber Type:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
6	-Package Dimension:	0= $\phi 5.5 \times 35$ mm, S=Specified
7	-Pigtail Type:	0=250 μ m bare fiber, 1=900 μ m loose tube
8	-Fiber Length:	0=0.8m, 1=1m
999	-Connector for Com, Ref, Pass:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC