



Coarse Wavelength Division Multiplexers (CWDM Series)

Rev 11B

Description

The Coarse Wavelength Division Multiplexer series is designed and manufactured based on Telcordia standard. The devices use environmentally stable thin film filter and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation and excellent environmental stability. They can be used individually to perform single channel add or drop function or can be cascaded into sequence for multi-channel applications in CWDM systems.

Key Features

- High Channel Isolation
- Low Insertion Loss

Applications

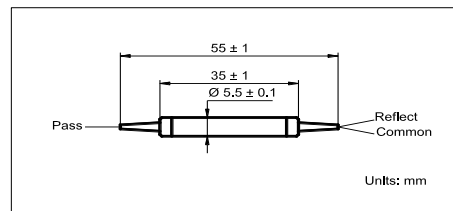
- CWDM System

Specifications

Parameter	Unit	Value	
Filter Type	-	Half Band	Full Band
Operating Wavelength Range	nm	1460 - 1620	1260 - 1620
Center Wavelength	nm	1470 1490 1510 1530 1550 1570 1590 1610	
Min. 0.5 dB Pass Bandwidth	nm	13	
Max. Transmission Insertion Loss	dB	0.6	
Max. Reflection Insertion Loss	dB	0.5	
Min. Adjacent Ch. Isolation	dB	25	
Min. Return Loss	dB	50	
Max. Polarization Dependent Loss	dB	0.1	
Thermal Stability	dB/°C	0.005	
Max. Optical Power (Continuous Wave)	mW	300	
Fiber Type	-	SMF-28 Fiber	
Operating Temperature	°C	- 5 to + 70	
Storage Temperature	°C	- 40 to + 85	

¹IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

CWDM-①①①①-②-③-④-⑤

①①①①: Center Wavelength

1470 - 1470 nm 1530 - 1530 nm 1590 - 1590 nm

1490 - 1490 nm 1550 - 1550 nm 1610 - 1610 nm

1510 - 1510 nm 1570 - 1570 nm SSSS - Specify

②: Connector Type

1 - FC/UPC 4 - SC/APC

2 - FC/APC N - None

3 - SC/UPC S - Specify

③: Fiber Jacket
B - 250 µm Bare Fiber
L - 900 µm Loose Tube
S - Specify

④: Fiber Length
1 - 1.0 m
S - Specify

⑤: Filter Type
H - Half Band
F - Full Band