



Coarse Wavelength Division Multiplexers (CWDM Series)

Rev 11B

Description

The Coarse Wavelength Division Multiplexer series is designed and manufactured to 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

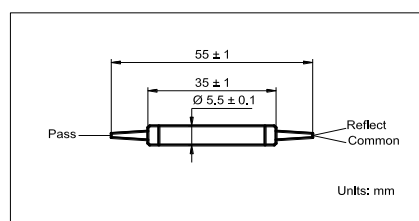
Specifications

Parameter	Unit	Value	
Filter Type	-	Half Band	Full Band
Operating Wavelength Range	nm	1460 - 1620	1260 - 1620
Center Wavelength	nm	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611	
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	
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.

²All of above value are tested at room temperature @ 23 °C, unless other specified.

Package Dimensions



Ordering Information

CWDM-①①①①-②-③-④-⑤

①①①①: Center Wavelength

1471 - 1471 nm	1531 - 1531 nm	1591 - 1591 nm
1491 - 1491 nm	1551 - 1551 nm	1611 - 1611 nm
1511 - 1511 nm	1571 - 1571 nm	SS - Specify

②: Connector Type

1 - FC/UPC	4 - SC/APC
2 - FC/APC	N - None
3 - SC/UPC	S - Specify

③: Fiber Type

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

④: Fiber Length

1 - 1.0 m

S - Specify

⑤: Filter Type

H - Half Band

F - Full Band