

Coarse Wavelength Division Multiplexers (CWDM Series)

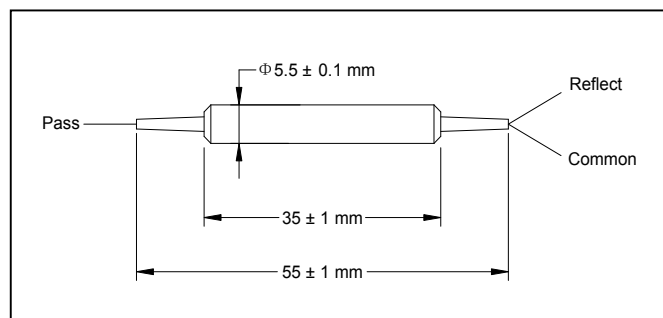
The Coarse Wavelength Division Multiplexer series is designed and manufactured to Telcordia standard. The devices use environmentally stable thin film filter and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation and excellent environmental stability. They 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.

Specifications

Parameter	Unit	Value	
		Half band	Full band
Filter type			
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

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

Package Dimensions



Ordering Information

CWDM-①①①②③④⑤

①①①①: Center Wavelength

1470 - 1470 nm

1490 - 1490 nm

1510 - 1510 nm

1530 - 1530 nm

1550 - 1550 nm

1570 - 1570 nm

1590 - 1590 nm

1610 - 1610 nm

SS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Type

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