Advanced Fiber Resources (Hong Kong), Ltd.

C Band/L Band Filter Wavelength Division Multiplexer (CLWDM Series)

Rev 11

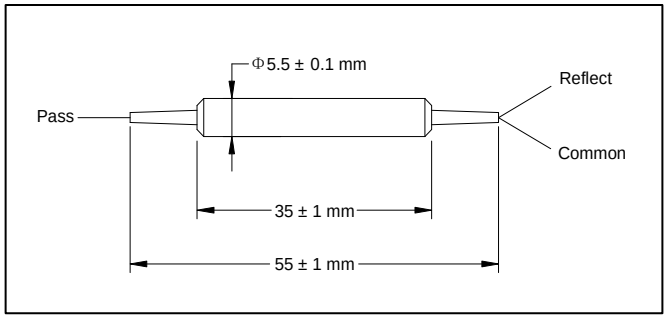
The C Band/L Band Filter Wavelength Division Multiplexer is a micro optics device based on environmentally stable thin film filter technology. It is used to combine or separate C band wavelength signals and L band wavelength signals in DWDM systems. The components are characterized with wide passband, low insertion loss, high return loss, excellent environmental stability and high power handling capability.

Specifications

Parameter		Unit	Value
Pass Band	Wavelength Range	nm	1530 - 1561 (1571 - 1605)
	Max. Insertion Loss	dB	0.7
	Typ. Insertion Loss	dB	0.5
	Min. Isolation	dB	22
	Typ. Isolation	dB	25
Reflection Band	Wavelength Range	nm	1571 - 1605 (1530 - 1561)
	Max. Insertion Loss	dB	0.5
	Typ. Insertion Loss	dB	0.3
	Min. Isolation	dB	12
	Typ. Isolation	dB	15
Min. Return Loss		dB	50
Max. Polarization Dependent Loss		dB	0.10
Typ. Polarization Dependent Loss		dB	0.05
Thermal Stability		dB/℃	0.005
Max. Optical Power		mW	300
Max. Tensile Load		N	5
Fiber Type			SMF-28 fiber
Operating Temperature		℃	-5 to +70
Storage Temperature		℃	-40 to +85

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

Package Dimensions



Ordering Information

CLWDM-①①①①-②-③-④

①①①①: Wavelength
6171 - 1530 - 1561 Pass/1571 - 1605 Reflect
7161 - 1530 - 1561 Reflect/1571 - 1605 Pass
SSSS - 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