PRODUCT INFORMATION SHEET

C Band Red/Blue Wavelength Division Multiplexer (CRBWDM Series)

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

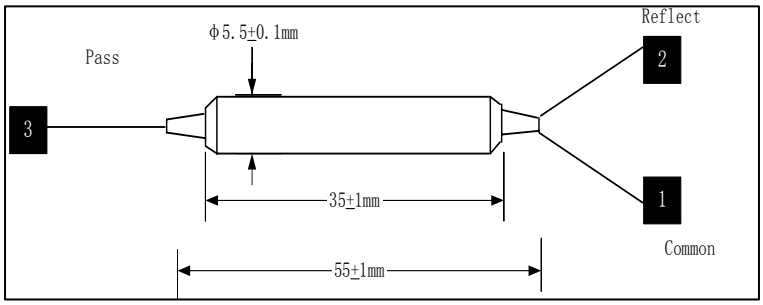
Specifications

Parameters		Unit	Values
Pass Band	Wavelength Range	nm	1530-1542(1548-1560)
	Max. Insertion Loss	dB	0.8
	Typ. Insertion Loss	dB	0.6
	Min. Isolation	dB	20
	Typ. Isolation	dB	25
Reflection Band	Wavelength Range	nm	1548 - 1560(1530-1542)
	Max. Insertion Loss	dB	0.6
	Typ. Insertion Loss	dB	0.5
	Min. Isolation	dB	10
	Typ. Isolation	dB	12
Min. Return Loss		dB	50.0
Max. PDL		dB	0.1
Typ. PDL		dB	0.05
Thermal Stability		dB/℃	≤0.005
Max. Optical Power		mW	300
Max. Tensile Load		N	5
Fiber Type			SMF-28
Operating Temperature		℃	-5 to +70
Storage Temperature		℃	-40 to +85

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering Information

CRBWDM-①-②-③-④

① Wavelength
4248 - 1530-1542 Pass / 1548-1560 Reflect
4842 - 1530-1542 Reflect / 1548-1560 Pass
S- Specify

② Connector Type
1- FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
5 - LC/UPC
6 - ST/UPC
N - None
S -Specify

③ Fiber Type
B -250um bare
L - 900um loose tube
S - Specify

④ Fiber Length
1 -1.0 m
S -Specify