

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

### Description

Rev 11

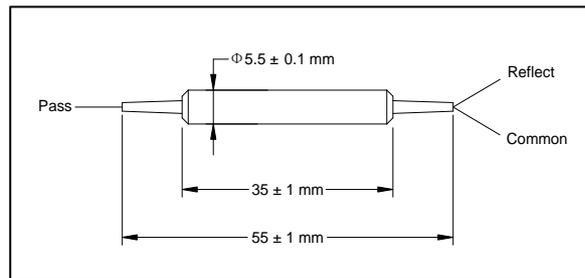
The C Band Red/Blue Filter Wavelength Division Multiplexer is a micro optics device based on environmentally stable thin film filter technology. It is used to separate or combine Red band wavelength signals and Blue band wavelength signals in C band range in DWDM systems. The components are characterized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

### Specifications

Parameter	Unit	Value	
Pass Band	Wavelength Range	nm	1530 - 1542 (1548 - 1560)
	Max. Insertion Loss	dB	0.6
	Typ. Insertion Loss	dB	0.4
	Min. Isolation	dB	22
	Typ. Isolation	dB	25
Reflection Band	Wavelength Range	nm	1548 - 1560 (1530 - 1542)
	Max. Insertion Loss	dB	0.5
	Typ. Insertion Loss	dB	0.3
	Min. Isolation	dB	12
	Typ. Isolation	dB	14
Min. Return Loss	dB	50	
Max. Polarization Dependent Loss	dB	0.10	
Typ. Polarization Dependent Loss	dB	0.05	
Thermal Stability	dB/°C	0.005	
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Fiber Type	-	SMF-28 Fiber	
Operating Temperature	°C	- 5 to + 70	
Storage Temperature	°C	- 40 to + 85	

<sup>1</sup>IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

### Package Dimensions



### Ordering Information

CRBWDM-①①①①-②-③-④

①①①①: Wavelength

4248 - 1530 - 1542 Pass/1548 - 1560 Reflect

4842 - 1530 - 1542 Reflect/1548 - 1560 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