

C Band Red/Blue Wavelength Division Multiplexer (DL-CRBWDM-WWWW-X-Y-Z)

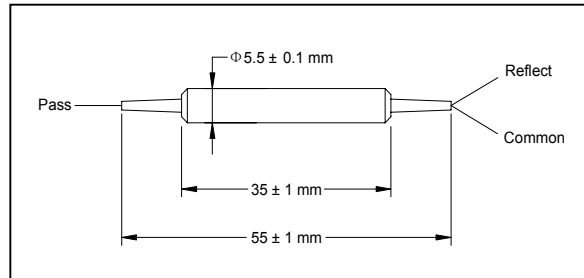
The C Band Red/Blue Filter Wavelength Division Multiplexer is a micro optics device based on environmentally stable thin film filter technology. It is used to separate or combine Red band wavelength signals and Blue band wavelength signals in C band range in DWDM systems. The components are characterized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

A. Specifications

| Parameter | Value | Unit |
|--------------------------------------|---------------------|---------------------------|
| Pass Band | Wavelength Range | 1530 - 1542 (1548 - 1560) |
| | Max. Insertion Loss | 0.6 |
| | Min. Isolation | 22 |
| Reflection Band | Wavelength Range | 1548 - 1560 (1530 - 1542) |
| | Max. Insertion Loss | 0.5 |
| | Min. Isolation | 12 |
| Min. Return Loss | 50 | dB |
| Max. Polarization Dependent Loss | 0.10 | dB |
| Thermal Stability | 0.005 | dB/°C |
| Max. Optical Power (Continuous Wave) | 300 | mW |
| Operating Temperature | -5 to +70 | °C |
| Storage Temperature | -40 to +85 | °C |

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

B. Package Dimensions



C. Ordering Information

DL-CRBWDM-WWWW-X-Y-Z

WWW: Wavelength

4248 - 1530 - 1542 Pass/1548 - 1560 Reflect

4842 - 1530 - 1542 Reflect/1548 - 1560 Pass

SSSS - Specify

X: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

Y: Fiber Type (SMF-28)

B - 250 μm bare fiber

L - 900 μm loose tube

S - Specify

Z: Fiber Length

1 - 1.0 m

S - Specify