



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

● Description

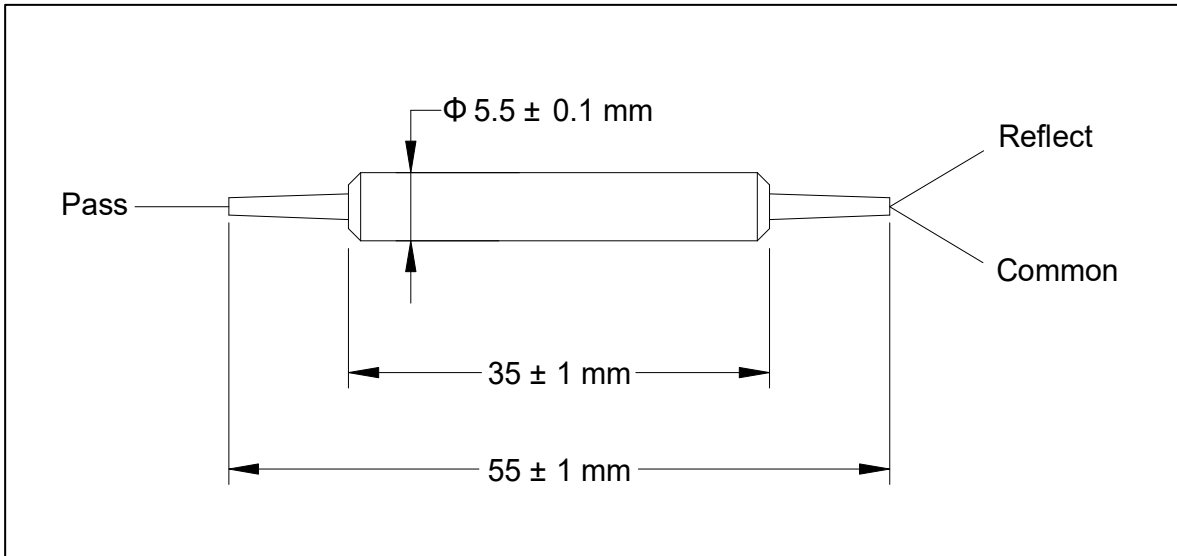
The C Band Red/Blue Filter Wavelength Division Multiplexer is a micro optics device based on environmentally stable thin film filter technology. It is used to separate or combine Red band wavelength signals and Blue band wavelength signals in C band range in DWDM systems. The components are characterized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

● Specifications

Parameter		Unit	Type A
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
Pass 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

¹IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

● Package Dimensions



● Ordering Information

GK-CRBWDM-①-②-③-④

①: Wavelength

4248 - 1530 - 1542 Pass/1548 - 1560 Reflect
 4842 - 1530 - 1542 Reflect/1548 - 1560 Pass
 SSSS - Specify

②: Connector Type

1 - FC/UPC 4 - SC/APC
 2 - FC/APC N - None
 3 - SC/UPC S - Specify

③: Fiber Type

B - 250 μ m Bare Fiber
 L - 900 μ m Loose Tube
 S - Specify

④: Fiber Length

1 - 1.0 m
 S - Specify