



# RC Fiber Filter Wavelength Division Multiplexer

(RCFWDM Series)

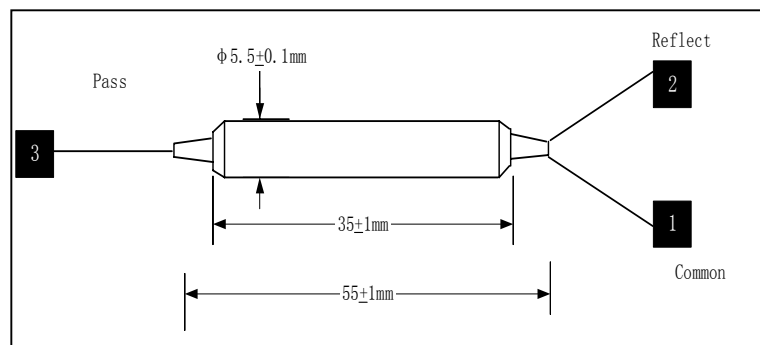
The RC fiber Filter Wavelength Division Multiplexer series are based on environmentally stable Thin Film Filters technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. High power handling capability can be achieved through unique pigtail processing and high quality AR coating. These components have been used in compact EDFAs, Sensors, and other fiberoptic communication equipments required compact optical circuits.

## Specifications

Parameters		Unit	Values
Pass Band	Wavelength Range	nm	1530-1580 (1460-1490)
	Max. Insertion Loss	dB	1.2
	Typ. Insertion Loss	dB	0.7
	Min. Isolation	dB	30
	Typ. Isolation	dB	35
Reflection Band	Wavelength Range	nm	1460-1490 (1530-1580)
	Max. Insertion Loss	dB	0.8
	Typ. Insertion Loss	dB	0.5
	Min. Isolation	dB	12
	Typ. Isolation	dB	15
Min.Return Loss		dB	50
Max. PDL		dB	0.1
Typ. PDL		dB	0.05
Fiber Type			RC 1550 Fiber or Specify
Thermal Stability		dB/°C	≤0.005
Max. Optical Power		mW	300
Max. Tensile Load		N	5
Operating Temperature		°C	-5 to +70
Storage Temperature		°C	-40 to +85

\*Above specifications are for device without connector.

## Package Dimensions



## Ordering Information

**RCFWDM-①①①①-②-③-④**

①①①①: Wavelength

5548 - 1550 Pass / 1480 Reflect

4855 - 1550 Reflect / 1480 Pass

③: Fiber Type

B - 170um bare fiber

L - 900um loose tube

S - Specify

②: Connector Type

N - None

④: Fiber Length

1 - 1.0 m

S - Specify