

# Polarization Maintaining RC Fiber Filter WDM

## Features

Wide Operating Wavelength Range  
 Low Insertion Loss  
 Ultra Flat Wide Passband  
 High Channel Isolation

## Applications

Fiber Amplifiers  
 WDM System  
 Transmitters and Fiberlasers  
 Compact Optical Circuits

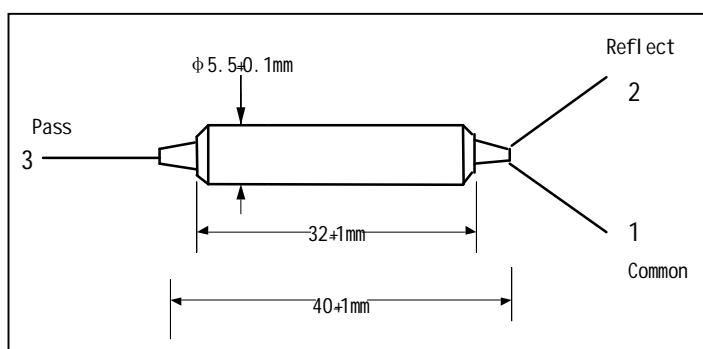
## Specifications

Parameters		Unit	Values
Pass Band	Wavelength Range	nm	1530-1580 (1460-1490)
	Max. Insertion Loss	dB	0.7
	Typ. Insertion Loss	dB	0.5
	Min. Isolation at 23°C	dB	30
	Typ. Isolation	dB	35
Reflection Band	Wavelength Range	nm	1460-1490 (1530-1580)
	Max. Insertion Loss	dB	0.5
	Typ. Insertion Loss	dB	0.3
	Min. Isolation at 23°C	dB	12
	Typ. Isolation	dB	15
Min. Return Loss		dB	50
Min. Extinction Ratio		dB	20
Thermal Stability		dB/°C	≤0.005
Max. Optical Power (CW)		mW	500
Max. Tensile Load		N	5
Fiber Type			RC PM 1550 Fiber
Operating Temperature		°C	-5 to +70
Storage Temperature		°C	-40 to +85

\*Above specifications are for device without connector.

\*The optical path is aligned to slow axis.

## Package Dimensions



## Ordering Information

**PMRCFWDM-①①①①-②②②-③③③-④**

①①①①: Wavelength

5548 - 1550nm Pass / 1480nm Reflect  
 4855 - 1480nm Pass / 1550nm Reflect

③③③: Fiber Jacket on Port 1, 2 & 3

B - 170um Bare Fiber  
 L - 900um Loose Tube  
 S - Specify

②②②: Connector Type on Port 1, 2 & 3

N - None

④: Fiber Length

0.8 - 0.8m  
 S - Specify