

Polarization Maintaining RGB Combiner (PMFWDM Series)

Rev 11B

Description

The PM RGB Combiner enables three primary colors in the visible wavelength region to be combined. The PM Combiner is based on environmentally stable thin film filter technology and is characterized with high extinction ratio, low insertion loss, and high return loss.

Key Features

- High Extinction Ratio
- Low Insertion Loss

Applications

- Fiber Optic Instruments

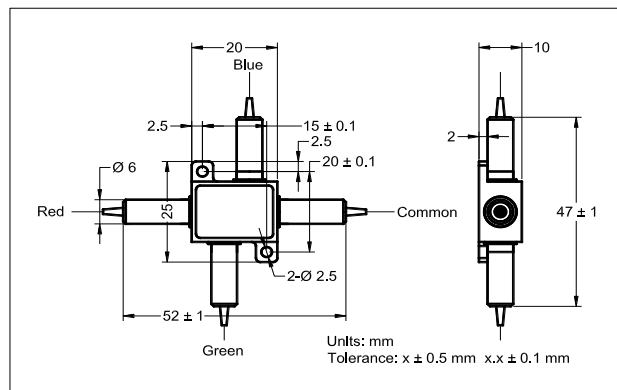
Specifications

Parameter		Unit	Value
Operating Wavelength (λ_c)		nm	635 (R), 532 (G), 488 (B)
Max. Insertion Loss	R-C	dB	4.0
	G-C	dB	3.5
	B-C	dB	3.5
Min. Extinction Ratio, 23 °C	R-C	dB	16
	G-C	dB	16
	B-C	dB	17
Fiber Type	G, B & C Port	-	PM460-HP Fiber
	R Port	-	PM630-HP Fiber
Max. Optical Power (Continuous Wave)		mW	100
Operating Temperature		°C	+ 25 to + 45
Storage Temperature		°C	0 to + 75

¹IL is 1.5 dB higher, RL is 5 dB lower, ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

²The optical power handling is up to 50 mW for connectorized version.

Package Dimensions



Ordering Information

PMFWDM-①①①-②-③-④

①①①: Wavelength

RGB - Red Pass/Blue & Green Reflect

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

Type

4 - SC/APC

N - None

S - Specify

③: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

④: Fiber Length

Q - 0.75 m

S - Specify