



Polarization Maintaining Fused RG Combiner (PMWDM Series)

Rev 11D

Description

The Polarization Maintaining Fused RG Combiner is manufactured by using advanced technology and polarization maintaining fiber to enable the red and green light to be combined. The combiner offers low excess loss, small size, high extinction ratio, high return loss, and excellent environmental stability.

Key Features

- Low Excess Loss
- High Extinction Ratio
- High Return Loss

Applications

- Fiber Laser
- Fiber Systems

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	532 (G)/635 (R)
Typ. Insertion Loss, λ_c	dB	1.0
Max. Insertion Loss, λ_c ¹	dB	1.5
Min. Extinction Ratio ²	dB	18
Thermal Stability	dB/°C	≤ 0.005
Min. Return Loss ³	dB	55
Min. Directivity	dB	55
Max. Optical Power ⁴	mW	300
Fiber Type	-	Nufern PM460-HP Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

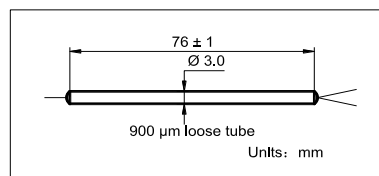
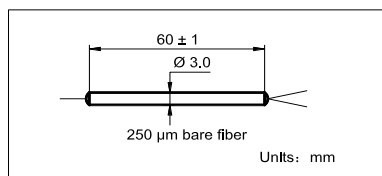
¹IL is 1.5 dB higher for each connector added.

²ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

³RL is 5 dB lower for connector added.

⁴The Optical Power is 50 mW only for connector added.

Package Dimensions



Ordering Information

PMWDM-①-②②②②②②-③-④-⑤-⑥

①: Configuration

1 - 1 × 2

②②②②②②: Wavelength

532635 - 532 & 635 nm

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

⑤: Fiber Length

H - 0.5 m

Q - 0.75 m

S - Specify

⑥: Fiber Type

1 - Nufern PM460-HP