GKER LASER TECHNOLOGY

# (1+1)×1 PM Pump & Signal Combiner (PMMPC Series)

Rev 11

## Features

- High Coupling Efficiency
- High Signal Transfer Efficiency
- Wide Wavelength Range
- Proprietary Pull and Package Technique
- Custom Configurations Available

## Applications

- PM Fiber Laser
- PM Fiber Amplifiers

## Description

- Pump Combiner with PM Signal Feedthrough

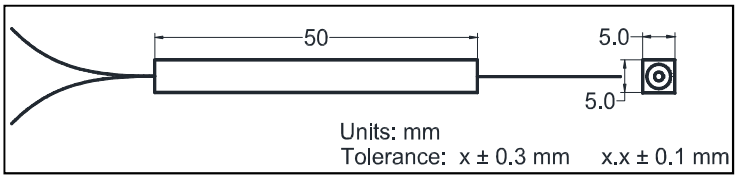
## Specifications

| Parameter | Unit | Value | |
|---|---|---|---|
| Product Type | - | PM (1+1)×1 | |
| Pump Wavelength Range | nm | 900 - 1000 | |
| Signal Wavelength Range | nm | 1060, 1550 | |
| Fiber Type for Input (Pump Channel) | - | Nufern 105/125 (0.15 NA, or 0.22 NA) | |
| Fiber Type for Input (Signal Channel) | - | PM 980, PM 1550, PM-6/125 DC, or PM-8/125 DC | |
| Fiber Type for Output | - | PM-6/125 DC, or PM-8/125 DC | |
| Signal Channel Insertion Loss | dB | < 0.50 | |
| Min. Pump Efficiency | % | 90 | |
| Max. Input Pump Power | W | 1 × 10 | 1 × 30 |
| Package Dimensions | mm | P1: 50 (L) × 5 (W) × 5 (H) | P2: 70 (L) × 12 (W) × 8 (H) |
| Operating Temperature | ℃ | 0 to + 65 | |
| Storage Temperature | ℃ | - 40 to + 85 | |

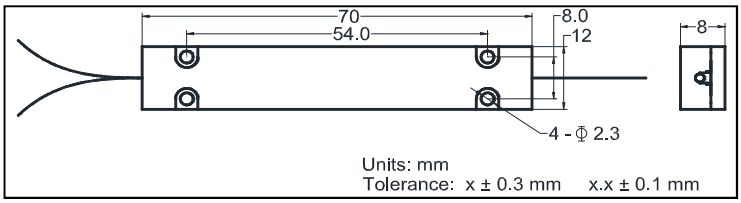
[1]Mode number summation of all input fibers should be less than that of output fiber.

## Package Dimensions

P1




P2




## Ordering Information

**PMMPC**-(1+1)×1-①①-②②②-③③-④④-⑤⑤-⑥-⑦

| ①①: Signal Wavelength | ②②②: Pump Wavelength | ③③: Fiber Type for Pump Input |
|---|---|---|
| 06 - 1060 nm | 915 - 915 nm | 15 - 105/125 (0.15 NA) |
| 55 - 1550 nm | 975 - 975 nm | 22 - 105/125 (0.22 NA) |
| SS - Specify | SSS - Specify | |

| ④④: Fiber Type for Signal Input | ⑤⑤: Fiber Type for Output | ⑥: Fiber Length | ⑦: Package Type |
|---|---|---|---|
| 06 - PM-6/125 DC | 06 - PM-6/125 DC | Q - 0.75m | 1 - P1 |
| 08 - PM-8/125 DC | 08 - PM-8/125 DC | 1 - 1.0 m | 2 - P2 |
| SS - Specify | SS - Specify | S - Specify | |