

(6+1)x1 Polarization-maintaining Pump Beam Combiner

Features

- High efficiency transfer rate
- Custom configurations are available
- Excellent environmental stability

Application

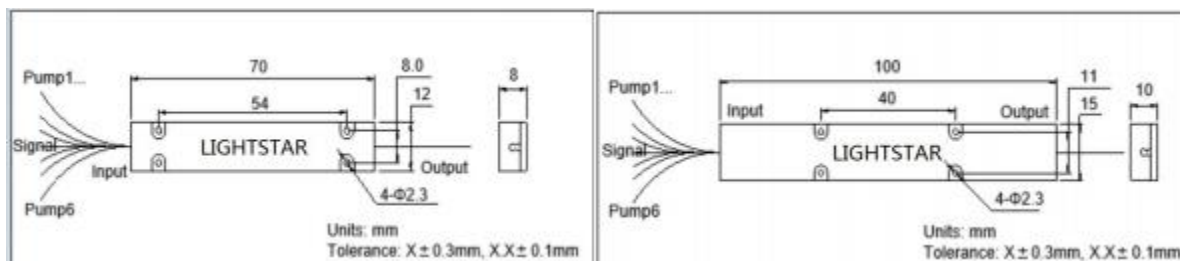
- High power fiber laser
- Optical fiber amplifier

Specifications

| Parameter | Unit | Value | | | |
|--|------|--------------------------|-------|---------------------------|--------|
| Port configuration | | (6+1)x1 | | | |
| Pump wavelength | nm | 800-1000nm | | | |
| Signal wavelength | nm | 1030-1080 or 1450-1600nm | | | |
| Input signal optical | | X/125 | | X/125, X/250 or 20/400 | |
| Pump optical | | 105/125,0.22NA | | 105/125 or 200/220,0.22NA | |
| Output signal optical | | Y/125 | Y/250 | Y/250 | 20/400 |
| Pump rate | % | >90 | >93 | >95 | |
| Signal Insertion loss | dB | ≤0.7(Typ.0.5) | | | |
| Maximum power/ Pump reversals per minute | W | ≤50 | ≤100 | ≤200 | |
| Extinction ratio | dB | ≥18(PM Fiber Type) | | | |
| return loss | dB | >45 | | | |
| Package dimensions | mm | D6 , D7 or Customized | | | |
| Operating temperature | ℃ | -5~+70 | | | |
| Storage temperature | ℃ | -40~+85 | | | |

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

MPC-①①①-②②②-③③③-④④④-⑤-⑥-⑦-⑧⑧

①①①:Port configuration
611=(6+1) × 1
SSS=Specify

②②②:Input fiber type
003=PM980
018=PLMA-GDF-10/125-M
SSS=Specify

③③③:Pump fiber type
009=MM-S105/125-22A
013=MM-S200/220-22A
SSS=Specify

④④④:Output fiber type
018=PLMA-GDF-10/125-M
024=PLMA-GDF-25/250-M
SSS=Specify

⑤:Package dimensions
B=100x15x10mm
S=Specify

⑥:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑦:Length
E=0.8m
1= 1.0m
S=Specify

⑧⑧:Power/Signal
05=5W
10=10W
AA=100W
BB=200W,
SS=Specify