# 405-690nm Optical Inline Polariser

## FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

## APPLICATIONS

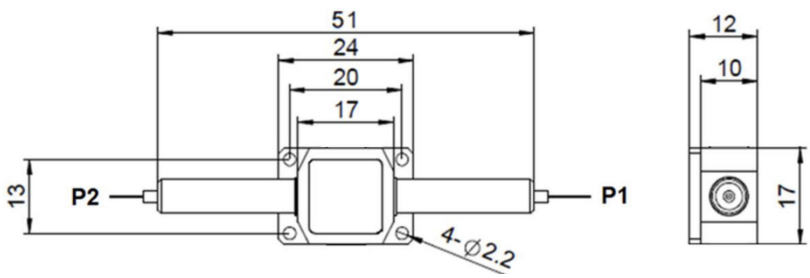
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

## SPECIFICATIONS

| Parameter | | Unit | Value | | |
|---|---|---|---|---|---|
| Center Wavelength | | nm | 405 | 460, 488, 520, 532 | 635, 650, 660, 690 |
| Bandwidth | | nm | +/-5 | | |
| Insertion Loss @ 23°C | (Typ.) | dB | 1.6 | 1.5 | 1.2 |
| | (Max.) | dB | 2.0 | 1.8 | 1.5 |
| Extinction Ratio @ 23°C | (Typ.) | dB | 18 | 20 | 20 |
| | (Min.) | dB | 16 | 17 | 18 |
| Optical Return Loss | | dB | ≥45 | | |
| Configuration | D Type | - | 2-port, Standard | | |
| | Y Type | - | 3-port, Fast axis blocked light guide out | | |
| Fiber Type at 3rd Port (Only for Y Type) | | - | Same Fiber, Corr. SM Fiber or 50/125um MM Fiber | | |
| Fiber Type | PM Fiber | - | PM-S405-XP Fiber | PM460 HP Fiber | PM630 HP Fiber |
| | SM Fiber | - | 405-HP Fiber | 460-HP Fiber | 630-HP Fiber |
| Fiber Tensile Load | | N | 5 | | |
| Maximum Optical Power (CW) | | mW | 30 | | |
| Operating Temperature | | °C | 0~50 | | |
| Storage Temperature | | °C | -20~75 | | |

**Note:** 1. Specifications are for device without connectors; Specifications may change without notice.
2. To add connectors, IL is 1.2dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
3. Devices for higher optical power or with other type fiber or consigned fiber are also available.
4. Package size may be different for different fiber type, configuration and optical power.

## PACKAGE DIMENSION




## ORDERING INFORMATION (PN)

FILP- NNN - C C (C) - C NN - CC/CCC

| Center Wavelength | Input Fiber | Output Fiber | 3rd Port Fiber | Fiber Sleeve | Fiber Length | Connector Type |
|---|---|---|---|---|---|---|
| 488=488nm | P= PM Fiber | P= PM Fiber | P= Same Fiber | B= Bare fiber | 05=0.5m | N=Without Connector |
| 532=532nm | S=SM Fiber | S=SM Fiber | S=Corr. SM Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| 635= 635nm | | | 5=50/125um MM Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| 650=650nm | | | Blank for D Type | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector |