# 900~950nm Optical Inline Polariser for Pulse Power

## 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
- Research Labs

## Specifications

| Parameter | | Unit | Value |
|---|---|---|---|
| Center Wavelength | | nm | 915, 930, 940, 950 |
| Bandwidth | | nm | +/-15 |
| Insertion Loss @ 23°C | (Typ.) | dB | 0.7 |
| | (Max.) | dB | 1.2 |
| Extinction Ratio @ 23°C | (Typ.) | dB | 26 |
| | (Min.) | dB | 23 |
| Optical Return Loss | | dB | ≥50 |
| 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 | SM Fiber | - | HI780 Fiber, HI1060 Fiber or 10/125um SC Fiber (E)<br>10/125um DC Fiber (O), 15/130um DC Fiber (W)<br>20/130um DC Fiber (Q) or 25/250um DC Fiber (R) |
| | PM Fiber | - | PM850 Fiber, PM980 Fiber or PM1060L Fiber (E)<br>10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)<br>20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R) |
| Fiber Tensile Load | | N | 5 |
| Max. Average Optical Power | | W | 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20 |
| Max. Peak Power for pulse | | kW | 0.1, 1, 2, 3, 5, 10, 15, 20 |
| Operating Temperature | | °C | 0~50 |
| Storage Temperature | | °C | -40~85 |
| Package Dimension | Stainless Steel Tube (SST) | mm | Ø5.5x35 (≤5W); Ø6.0x50 (5~10W) |
| | Metal Box | mm | L90xW12xH10 (>10W); L120xW12xH10 (≤10W) |

**Note:** 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Suggest to use Y type if blocked optical power is >1W.

4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

5. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

6. Package size may be different for different fiber type, configuration and optical power

## Ordering Information (PN)

**FILP-NNN - C C (C) -H NN P NN -(C) (C) C NN -CC/CCC**

| Center Wavelength | Input Fiber | Output Fiber | 3rd Port Fiber | Average Power | Peak Power | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
|---|---|---|---|---|---|---|---|---|---|---|
| 915=915nm | P=PM Fiber | P=PM Fiber | P=Same Fiber | 03=300mW | 01=100W | M=Metal Box | H=HI1060 or PM980 Fiber | B=Bare fiber | 05=0.5m | N=Without Connector |
| 930=930nm | S=SM Fiber | S=SM Fiber | S=Corr. SM Fiber | 1=1W | 1=1kW | Blank for SST | E=10/125 SC or PM1060L Fiber | L=Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| 940=940nm | F=PM Fiber/Fast Axis | F=PM Fiber/Fast Axis | 5=50/125um MM Fiber | 5=5W | 5=5kW | or >10W | R=25/250 DC or PMDC Fiber | 2=2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| 950=950nm | | | Blank for D Type | 10=10W | 10=10kW | | Blank for HI780 or PM850 Fiber | 3=3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector |