

975~1000nm 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
- Research Labs



SPECIFICATIONS

| Parameter | Unit | Value | |
|--|----------------------------|---------------------|--|
| Center Wavelength | nm | 975, 980, 990, 1000 | |
| Bandwidth | nm | +/-15 | |
| Insertion Loss @ 23°C | (Typ.) | dB | 0.7 |
| | (Max.) | dB | 1.0 |
| 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 3 rd Port (Only for Y Type) | - | - | Same Fiber, Corr. SM Fiber or 50/125um MM Fiber |
| Fiber Type | SM Fiber | - | HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R) |
| | PM Fiber | - | PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R) |
| Fiber Tensile Load | N | 5 | |
| Max. Optical Power (CW) | mW | 300 | |
| Operating Temperature | °C | 0~50 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | Stainless Steel Tube (SST) | mm | ∅5.5x35 |
| | Metal Box | mm | L120x ^W 12x ^H 10 |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 4. Package size may be different for different fiber type, configuration and optical power

ORDERING INFORMATION (PN)

| FILP- NNN | - | C | C | (C) | - | (C) | (C) | C | NN | - CC/CCC |
|-------------------|---|-------------|--------------|---------------------|---------------|---------------------------------|---------------|--------------|-------------------------|-----------------|
| Center Wavelength | | Input Fiber | Output Fiber | 3rd Port Fiber | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type | |
| 975~975nm | | P= PM Fiber | P= PM Fiber | P= Same Fiber | M= Metal Box | E=10/125 SC or PM1060L Fiber | B= Bare fiber | 05=0.5m | N=Without Connector | |
| 980~980nm | | S=SM Fiber | S=SM Fiber | S=Corr. SM Fiber | Blank for SST | Q=20/130 DC or PMDC Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector | |
| 990~990nm | | | | S=50/125um MM Fiber | | R=25/250 DC or PMDC Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector | |
| 1000~1000nm | | | | Blank for D Type | | Blank for HI1060 or PM980 Fiber | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector | |