

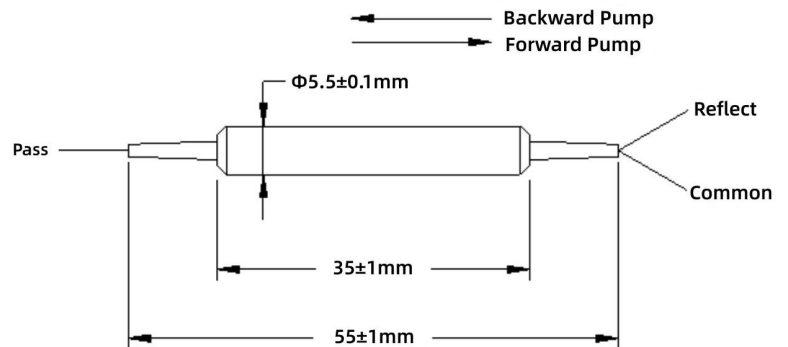
PM Isolator + Filter WDM Hybrid (PMIWDM T1550/R980, T1550/R1480)

Product Features

- Low Insertion Loss
- Compact size
- Fullfill 2 function in one package

Product Applications

- Fiber Lasers
- Fiber Sensors
- PM EDFA



Specifications

| Parameters | | Unit | Value | |
|-----------------------------------|------------------------|-------|--|------------|
| Stage | | --- | Single stage | Dual stage |
| Passband (Signal transmission) | Wavelength Range | nm | 1530~1565 | |
| | Insertion Loss | dB | ≤0.9 | ≤1.0 |
| | Typ. Insertion Loss | dB | 0.7 | 0.8 |
| | Isolation @ 23 °C | dB | ≥30 | ≥48 |
| | Typ. Isolation @ 23 °C | dB | 40 | 55 |
| Reflection band (Pump port) | Wavelength Range | nm | 980nm pump(960~990) or 1480nm pump(1470~1490) | |
| | Insertion Loss | dB | ≤0.5 | |
| | Typ.Insertion Loss | dB | 0.3 | |
| Return Loss | | dB | ≥50 | |
| Signal Extinction Ratio | | dB | ≥22 (F type), ≥20 (B type) | |
| Thermal Stability | | dB/°C | ≤0.005 | |
| Power Handling (CW) | | mW | ≤300 | |
| Tensile Load | | N | ≤5 | |

| | | |
|--|----|--|
| Fiber Type (All 3 ports can be on demand) | - | Common and pass port: PM 1550 panda fiber 980nm pump: HI1060 on reflec port 1480pump: SMF-28e on reflect port. |
| Pumping type | - | See above schematics |
| Operating Temperature | °C | -5 to +70 |
| Storage Temperature | °C | -40 to +85 |

Remark

- * Above specifications are for device without connector.
- * For devices with connectors, please refer to PM patchcord spec.
- * The PM fiber and the connector key are aligned to slow axis.(Default if customer no special request)

| Ordering Information | | | | | | | |
|----------------------|---------------------------|-------------------------------|----------------------------|--|-----------------------------------|------------------|--|
| PM IW DM | Wavelength | Pump type | Stage | Working axis | Pigtail type | Length | Connect or |
| | 1550T/980R 1550T/1480R | Forward pump Backward pump | Single stage Dual stage | Fast axis blocked Both axis working | Bare fiber 0.9mm loose tube | 0.8=0.8m 1=1m | NE=None FC/APC SC/UPC FC/APC SC/APC LC/UPC ST/UPC Other |