

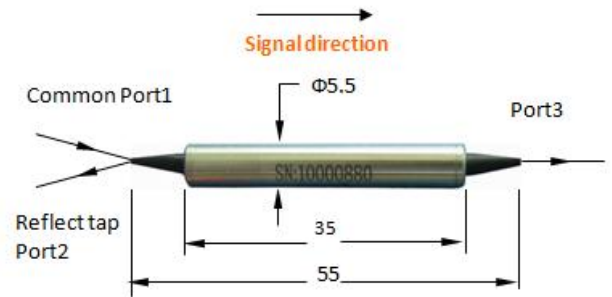
Polarization Maintaining Tap Isolator Hybrid

Product Features

- Low Insertion Loss
- Compact Size
- Fullfill tap and isolator in one package

Product Applications

- Fiber Lasers
- PM EDFA
- Fiber Sensors
- Research



Specifications

| Parameter | Unit | Value | |
|----------------------------------------------|-------|----------------------------------------------------------------------------------|------------|
| | | Single stage | Dual stage |
| Stage | --- | Single stage | Dual stage |
| Wavelength Range | nm | 1310, 1480, 1550 ±20 | |
| Excess Loss | dB | ≤0.8 | ≤0.9 |
| Tap Ratio (input to tap) | % | 1 ± 0.2%, 2 ± 0.4%, 4 ± 0.8%, 5 ± 1.0%, 10 ± 2.0% | |
| Typ. Peak Isolation | dB | 40 | 55 |
| Isolation @ Tr | dB | ≥30 | ≥45 |
| Return Loss | dB | ≥50 | |
| Directivity | 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) | - | SMF-28 or PM Panda fiber for tap port PM Panda fiber for input & output ports | |
| Operating Temperature | °C | -5 to +70 | |
| Storage Temperature | °C | -40 to +85 | |

* Above specifications are for devices without connectors

* 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 TAP I | Wavelength | stage | Coupling ratio | Working axis | Pigtail Type | Fiber Length | Connector | Size |
|----------|---------------------------------------|----------------------------|--------------------------|-------------------------------------------------------------|-------------------------------------------------|-------------------------------------|---------------------------------------------------------------------|---------------------------|
| | 1310nm 1550nm 1064nm Specify | Single stage Dual stage | 1/99 50/50 Specify | Fast axis Blocked Both axis Working Specify | 250um bare fiber 900um loose tube Specify | 0.5m 1m 1.5m 2m Specify | N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify | Φ5.5x3 5 mm Specify |