

2030~2070nm PM Tap Isolator Hybrid

FEATURES

- Low Excess Loss
- Various Splitting Ratio
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

APPLICATIONS

- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab



SPECIFICATIONS

| Parameter | Unit | Single Stage | Dual Stage |
|-------------------------|----------------------------|---|--|
| Working Wavelength | nm | 2030±20, 2050±20, 2070±10 | |
| Split Ratio | % | 0.1:99.9, 1:99, 2:98, 5:95, 10:90, 20:80, 30:70, 40:60, 50:50 | |
| Tap Ratio | - | 0.1%, 1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 40%, 50% | |
| Excess Loss | Max. dB | 1.6 | 2.0 |
| Min. Isolation (23°C) | dB | 10 | 25 |
| Extinction Ratio | dB | ≥18 | |
| Working Mode | S Type | - | Tap Input Light before Isolator, Can only work in Slow Axis |
| | F Type | - | Tap Input Light before Isolator, work in Slow & Fast Axis |
| | B Type | - | Tap Input Light after Isolator, Can only work in slow axis |
| Optical Return Loss | dB | ≥50 | |
| Fiber Type | Tap Port | - | Same fiber, Corr. SM Fiber or 105/125um MM Fiber |
| | Thru Port | - | PM1550 Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) 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 | Stainless Steel Tube (SST) | mm | (Ø)5.5x35 |
| Dimension | Metal Box | mm | (L)120x(W)12x(H)10 |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB 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.

ORDERING INFORMATION (PN)

| FPTI-NNNN | - | C | C | NN | C | -(C) | C | C | NN | -CC/CCC |
|-------------|----------------|----------|----------------------|-------------------|---------------|--|------------------------------|--------------------|--|---------|
| Wavelength | Stage | Type | Split Ratio | Tap Port Fiber | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type | |
| 2030~2030nm | S=Single Stage | S=S Type | 01=1/99 | Y= Same Fiber | M=Metal Box | 2=PM1550Fiber | B= Bare Fiber | 05=0.5m | N=Without Connector | |
| 2050~2050nm | D=Dual Stage | F=F Type | 10=10/90 | S=Corr. SM Fiber | Blank for SST | V=PM1950 Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector | |
| 2070~2070nm | H=H Stage | B=B Type | 30=30/70 50=50/50 | A=105/125um Fiber | | O=10/130 PMDC Fiber R=25/250 PMDC Fiber | 2= 2mm Cable 3= 3mm Cable | 15=1.5m 20=2.0m | LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector | |