

2000nm High Power 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

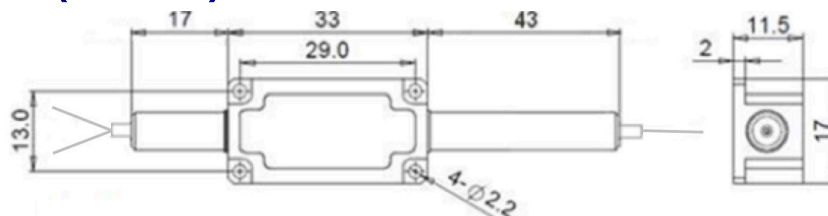


SPECIFICATIONS

| Parameter | Unit | Single Stage | Dual Stage | H Stage |
|-------------------------|----------------------------|---|--|----------|
| Center Wavelength | nm | 2000 | | |
| Bandwidth | nm | +/-20 | | |
| 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 | 1.5 | 1.8 |
| Peak Isolation | Typ. | dB | 20 | 40 |
| Min. Isolation (23°C) | | dB | 16 | 35 |
| PDL | | dB | ≤0.2 | |
| Working Mode | | - | Tap Input Light before Isolator | |
| Optical Return Loss | | dB | ≥50 | |
| Fiber Type | Tap Port | - | Same fiber or 105/125um MM Fiber | |
| | Thru Port | - | SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R) | |
| Fiber Tensile Load | | N | 5 | |
| Max. Optical Power (CW) | | W | 1, 2 | 3, 5, 10 |
| Operating Temperature | | °C | 0~50 | |
| Storage Temperature | | °C | -40~85 | |
| Package | Stainless Steel Tube (SST) | mm | (Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W) | |
| Dimension | Metal Box | mm | (L)120x(W)12x(H)10 (≤10W) | |

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.

PACKAGE DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

| FTIS-NNNN | -C | NN | (C) | -HP NN | -(C) | (C) | C | NN | -CC/CCC |
|-------------|----------------|-------------|----------------------|---------------|---------------|-----------------------|---------------|--------------|-------------------------|
| Wavelength | Stage | Split Ratio | Tap Port Fiber | Optical Power | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
| 2000-2000nm | S=Single Stage | 01-1/99 | A=105/125um Fiber | 1- 1W | M=Metal Box | V=SM1950 Fiber | B= Bare Fiber | 05=0.5m | N=Without Connector |
| | D=Dual Stage | 10=10/90 | Blank for Same Fiber | 5- 5W | Blank for SST | O=10/130 DC Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| | H=H Stage | 30=30/70 | | 10=10W | or >2W | R=25/250 DC Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| | | 50=50/50 | | 20=20W | | Blank for SMF28 Fiber | 3= 3mm Cable | 20=2.0m | SC/UFC=SC/UFC Connector |

