

980/1064nm Mini WDM/Isolator/Tap Hybrid

FEATURES

- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

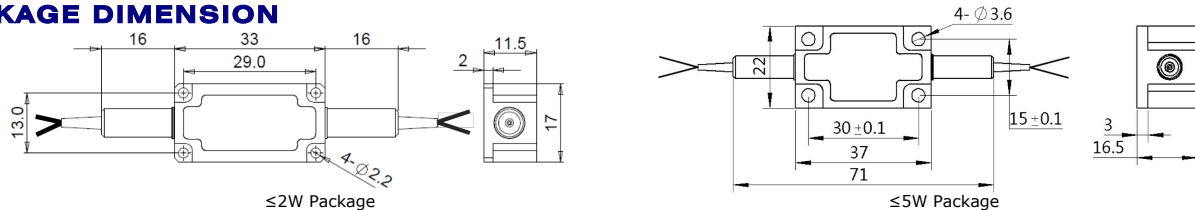
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

| Parameters | Unit | Value | | |
|-------------------------------------|-----------------------------|-----------|--|------------|
| Signal Wavelength Range λ_1 | nm | 1064+/-10 | | |
| Pump Wavelength Range λ_2 | nm | 980+/-10 | | |
| Excess Loss@23°C | Signal Channel@ λ_1 | dB | ≤ 3.3 | ≤ 3.8 |
| Insertion Loss@23°C | Pump Channel@ λ_2 | dB | ≤ 0.8 | |
| Signal Tap Ratio | | % | 1+/-0.5%, 2+/-0.7%, 5+/-1.0%, 10%, 20%, 30%, 50% | |
| Signal Isolation (23°C, All SOP) | | dB | ≥ 22 | |
| Wavelength Isolation | Signal Channel@ λ_2 | dB | ≥ 25 | |
| | Pump Channel@ λ_1 | dB | ≥ 12 | |
| Optical Return Loss | | dB | ≥ 45 | |
| PDL | | dB | ≤ 0.2 | |
| Pump Direction | - | | Forward Pump | |
| Fiber Type | | - | HI1060 Fiber or 10/125um SC Fiber (E) | |
| | | - | 10/125um DC Fiber (O) or 15/130um DC Fiber (W) | |
| | | - | 20/130um DC Fiber (Q) or 25/250um DC Fiber (R) | |
| Fiber Tensile Load | N | | 5 | |
| Max. Signal Optical Power (CW) | W | | 0.5, 1 | 2, 3, 4, 5 |
| Max. Pump Optical Power (CW) | mW | | 0.3, 0.5, 1, 2, 3, 5, 10 | |
| Operating Temperature | °C | | 0~50 | |
| Storage Temperature | °C | | -40~85 | |

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB 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



ORDERING INFORMATION (PN)

| Wavelength | Tap Ratio | Optical Power | Pump Power | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
|------------|-----------|---------------|-----------------|------------------------|---------------|--------------|-------------------------|
| 06=1064nm | 01= 1% | 05=500mW | 05=500mW | E=10/125 SC Fiber | B= Bare fiber | 05=0.5m | N=Without Connector |
| | 05=5% | 1= 1W | 1=W | Q=20/130 DC Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| | 10=10% | 2= 2W | 10=W | R=25/250 DC Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| | 50=50% | 5=5W | Blank for 300mW | Blank for HI1060 Fiber | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector |