

915/1550/1590nm WDM/Isolator Hybrid Filter

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks



SPECIFICATIONS

| Parameters | Unit | Single Stage | Dual Stage |
|---|-----------------------------|--|------------|
| Signal Wavelength Range λ_1 | nm | 1530-1570 (C-Band), 1570-1610 (L-Band) | |
| Pump Wavelength Range λ_2 | nm | 915+/-10 | |
| Insertion Loss | Signal Channel@ λ_1 | ≤1.3 | ≤1.4 |
| | Pump Channel@ λ_2 | ≤1.0 | |
| Signal Isolation (Signal Channel@ λ_1) | dB | ≥28 | ≥45 |
| Signal/Pump Wavelength Isolation | dB | ≥30/12 | |
| Optical Return Loss | dB | ≥45 | |
| PDL | dB | ≤0.1 | ≤0.2 |
| PMD | ps | ≤0.25 | ≤0.1 |
| Fiber Type | Signal Port | SMF-28 Fiber or 10/130um DC Fiber (O) | |
| | Common & Pump Port | 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G) | |
| Fiber Tensile Load | N | 5 | |
| Max. Optical Power (CW) | W | 1, 2, 3, 5, 10, 15, 20 | |
| Operating Temperature | °C | 0~70 | |
| 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 0.7dB higher, RL is 5dB lower.

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)

| FHWM-91(C)C | C | (C) | (C) | -(C) | (C) | C | NN | -CC/CCC | |
|-------------------|----------------|------------|-----------------------|-----------------------|---------------|------------------------|---------------|--------------|-------------------------|
| Signal | Stage | Pump Type | Pump Fiber | Common Fiber | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
| Wavelength | S=Single Stage | F=Forward | Y=Same Fiber | S=Same Fiber | M=Metal Box | O=10/130 DC Fiber | B= Bare fiber | 05=0.5m | N=Without Connector |
| L=L Band | D= Dual Stage | B=Backward | H=HI1060 Fiber | M=HI1060 Fiber | Blank for SST | T=12/130 DC Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| Blank for C Band | H=H Stage | | Blank for HI780 Fiber | Blank for HI780 Fiber | | G=25/300 DC Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| | | | | | | Blank for SMF-28 Fiber | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector |