



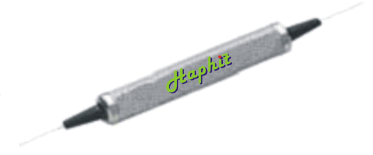
High Power Pump WDM Filter

FEATURES

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

APPLICATIONS

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



SPECIFICATIONS

| Parameters | Unit | 980/1550nm | 1480/1550nm |
|---|---------------------------------|--|---------------|
| Pass Channel Wavelength Range λ_1 | nm | 1530-1580 | |
| Reflective Channel Wavelength Range λ_2 | nm | 965-1000 | 1450-1490 |
| Insertion Loss | Pass Channel@ λ_1 | dB | ≤ 0.8 |
| | Reflective Channel@ λ_2 | dB | ≤ 0.6 |
| Passband Ripple | dB | ≤ 0.3 | ≤ 0.3 |
| Isolation | Pass Channel@ λ_2 | dB | ≥ 25 |
| | Reflective Channel@ λ_1 | dB | ≥ 12 |
| Optical Return Loss | dB | ≥ 45 | |
| Directivity | dB | ≥ 50 | |
| Polarization Dependent Loss | dB | ≤ 0.1 | |
| Polarization Mode Dispersion | ps | ≤ 0.1 | |
| Fiber Type | - | HI1060 Fiber at Common and Pump Port, SMF-28e Fiber at Signal Port | SMF-28e Fiber |
| Fiber Tensile Load | N | 5 | |
| Maximum Optical Power (CW) | W | 1, 2, 5, 10 or customer specify | |
| Operating Temperature | °C | 0~70 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | mm | (Φ)5.5x34 (250um Fiber) (Φ)5.5x38 (900um Fiber) | |

- Note:**
1. Specifications are for device without connectors.
 2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, Optical Power will be only 1W.
 3. Devices for higher optical power and pulse power are also available per request.

ORDERING INFORMATION

| FFWM- NN | NN | - HP N | - C | NN | - CC/CCC |
|-------------------------------|-------------------------|--------|---------------------|--------------|-------------------------|
| Reflective Channel Wavelength | Pass Channel Wavelength | Power | Fiber Type | Fiber Length | Connector Type |
| 15= 1550nm | 15= 1550nm | 1=1W | B= 250um Bare Fiber | 10=1.0m | N =Without Connector |
| 09= 980nm | 09= 980nm | 2= 2W | L= 900um Loose Tube | 15=1.5m | FC/APC=FC/APC Connector |
| 14= 1480nm | 14= 1480nm | 10=10W | | 20=2.0m | LC/PC =LC/PC Connector |