

1550/1625/1650nm WDM Filter for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

| Parameters | Unit | Standard | High Isolation |
|---|---------------------------------|--|--|
| Pass Channel Wavelength Range λ_1 | nm | 1500-1580 | |
| Reflective Channel Wavelength Range λ_2 | nm | 1625+/-15, 1620-1660 | |
| Insertion Loss | Pass Channel@ λ_1 | dB | |
| | Reflective Channel@ λ_2 | dB | |
| Configuration | Y Type | - | 3-port |
| | X Type | - | 4-port (2x2 WDM) |
| 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 | ≤ 0.15 | |
| Fiber Type | - | SMF-28 Fiber, 10/130um DC Fiber (O), 12/130um DC Fiber (T), 20/130um DC Fiber (Q) 25/250um DC Fiber (R), 25/300um DC Fiber (G) | |
| Fiber Tensile Load | N | 5 | |
| Max. Average Optical Power | W | 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60 | |
| Max. Peak Power for pulse | kW | 0.1, 1, 2, 3, 5, 10, 15, 20 | |
| Operating Temperature | °C | 0~70 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | Stainless Steel Tube (SST) | mm | $\phi 5.5 \times L35 (\leq 5W)$; $\phi 6.0 \times L50 (5 \sim 10W)$ |
| | Metal Box | mm | $L120 \times W12 \times H10 (\leq 10W)$ |

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

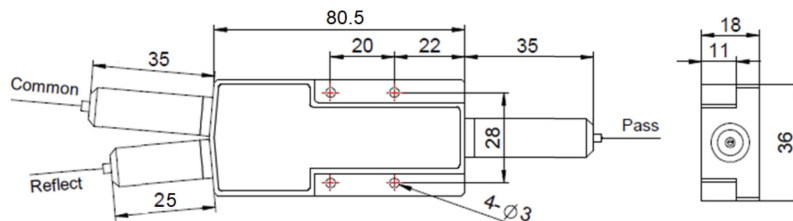
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of the

Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

PACKAGE DIMENSION (> 10W)



ORDERING INFORMATION (PN)

| FFWM- | NN | NN | -(C) | (C) | -H NN | PNN | -(C) | (C) | C | NN | - CC/CCC |
|----------------|-----------------|------------------|------------|---------------|------------|---------------|------------------------|---------------|--------------|-------------------------|----------|
| Ref Wavelength | Pass Wavelength | Configuration | Isolation | Average Power | Peak Power | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type | |
| 16=1650nm | 15=1550nm | X-X Type | I=High Iso | 03=300mW | 01=100W | M=Metal Box | O=10/130 DC Fiber | B= Bare Fiber | 05=0.5m | N=Without Connector | |
| 62=1625nm | 16=1650nm | Blank for Y Type | Blank for | 1=1W | 1=1kW | Blank for SST | T=12/130 DC Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector | |
| 15=1550nm | 62=1625nm | | Standard | 10=10W | 10=10kW | or >10W | R=25/250 DC Fiber | 2=2mm Cable | 15=1.5m | LC/PC=LC/PC Connector | |
| | | | | 20=20W | 20=20kW | | Blank for SMF-28 Fiber | 3=3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector | |

