

C/L Band Supervisory PM 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 | Standard | High ER Type |
|--|----------------------------|--|-------------------------|
| | | (1510/1550nm) or (1590/1625nm) | |
| Pass Channel Wavelength Range λ_1 | nm | 1500-1520, 1620-1630 | |
| Reflective Channel Wavelength Range λ_2 | nm | 1530-1570, 1570-1605 | |
| Insertion Loss over λ_1 @ Pass Channel | dB | ≤ 1.0 | ≤ 1.2 |
| Insertion Loss over λ_2 @ Reflective Channel | dB | ≤ 0.8 | |
| Configuration | Y Type | - | 3-port |
| | X Type | - | 4-port (2x2 WDM) |
| Isolation over λ_1 @ Reflective Channel | dB | ≥ 12 | |
| Isolation over λ_2 @ Pass Channel | dB | ≥ 25 | |
| Optical Return Loss | dB | ≥ 50 | |
| Extinction Ratio | dB | ≥ 20 | ≥ 22 |
| Fiber Type | - | PM1550 Panda Fiber, 10/125um PMDC Fiber (O), 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G) | |
| Polarization Alignment | - | Slow Axis | |
| Fiber Tensile Load | N | 5 | |
| Max. Optical Power (CW) | mW | 300 | |
| Operating Temperature | °C | 0~70 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | Stainless Steel Tube (SST) | mm | (\varnothing)5.5x35 |
| | 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 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 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 Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 4. High ER type can only work in slow axis at pass port.

ORDERING INFORMATION (PN)

| FPWM-NN | NN | - (C) | (C) | - (C) | C | C | NN | -CC/CCC |
|----------------|-----------------|------------------|------------|---------------|---------------------|---------------|--------------|-------------------------|
| Ref Wavelength | Pass Wavelength | Configuration | Type | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
| 15-1550nm | 51-1510nm | X- X Type | H- High ER | M- Metal Box | 2-PM1550 Fiber | B- Bare Fiber | 05-0.5m | N-Without Connector |
| 59-1590nm | 62-1625nm | Blank for Y Type | Blank for | Blank for SST | 0-10/125 PMDC Fiber | L- Loose Tube | 10-1.0m | FC/APC=FC/APC Connector |
| 51-1510nm | 15-1550nm | | Standard | | T-12/130 PMDC Fiber | 2-2mm Cable | 15-1.5m | LC/PC =LC/PC Connector |
| 62-1625nm | 59-1590nm | | | | R-25/250 PMDC Fiber | 3-3mm Cable | 20-2.0m | SC/UPC=SC/UPC Connector |