

1530nm Bandpass Filter

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 | Value | |
|--|----------------------------|-------------------------------------|---|
| Center Wavelength | nm | 1530 | |
| Min. Pass Band Width @ 0.5dB | nm | 0.12, 0.3, 0.7, 3.0, 8.5, 15 | |
| Insertion Loss over Pass Band Wavelength | dB | ≤1.2 | |
| Stop Wavelength (ASE) | 0.12nm Bandwidth | nm | 1500~1529.4 & 1530.6~1600 |
| | 0.3nm Bandwidth | nm | 1500~1529 & 1531~1600 |
| | 0.7nm Bandwidth | nm | 1500~1528.5 & 1531.5~1600 |
| | 3nm Bandwidth | nm | 1500~1527 & 1533~1600 |
| | 8.5nm Bandwidth | nm | 1500~1522 & 1538~1600 |
| Stop Wavelength (ASE) | Standard | dB | ≥25 |
| Isolation | High Isolation | dB | ≥45 |
| ASE Direction | - | F: Forward, B: Backward, T: Two-way | |
| Configuration | - | D: 2-port, Y: 3-port, X: 4-port | |
| Optical Return Loss | dB | ≥50 | |
| Polarization Dependent Loss | dB | ≤0.15 | |
| Fiber Type | Input&Output | - | PM1310 Panda Fiber or 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T) or 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G) |
| | ASE Guide Out (Y/X Type) | - | Same Fiber or MM Fiber |
| Fiber Tensile Load | N | 5 | |
| Max. Optical Power (CW, ASE+Signal) | mW | 300 | |
| Operating Temperature | °C | 0~70 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | Stainless Steel Tube (SST) | mm | ∅5.5x ^L 35 |
| | Metal Box | mm | ^L 120x ^W 12x ^H 10 |

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - 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 size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

| Bandwidth | ASE Type | ASE Iso | Fwd ASE Fiber | Bwd ASE Fiber | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
|-----------|-------------------|-----------|-------------------|--------------------------|---------------|------------------------|---------------|--------------|-------------------------|
| 03=0.3nm | B=Backward | I=High | Y=Same Fiber | Y=Same Fiber | M=Metal Box | O=10/130 DC Fiber | B= Bare fiber | 05=0.5m | N=Without Connector |
| 07=0.7nm | T=Two-way | Isolation | A=105/125um Fiber | A=105/125um Fiber | Blank for SST | T=12/130 DC Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| 30=3nm | Blank for Forward | Blank for | N=None | S=50/125um Fiber | | G=25/300 DC Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| 150=15nm | | Standard | Blank for D Type | Blank for None or D Type | | Blank for SMF-28 Fiber | 3= 3mm Cable | 20=2.0m | SC/UFC=SC/UFC Connector |

