

DWDM Single Channel Device

FEATURES

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

APPLICATIONS

- ▣ Broadband Systems
- ▣ Optical Add/Drop Multiplexing
- ▣ Telecommunication Networks
- ▣ Metro Networks
- ▣ DWDM Systems



SPECIFICATIONS

| Parameters | Unit | 50G | 100G | 200G |
|---|----------------------------|---|--|---------|
| Center Wavelength | nm | 1528-1640, ITU Grid | | |
| Channel Spacing | Hz | 50G | 100G | 200G |
| Channel Passband Width | nm | +/-0.05 | +/-0.11 | +/-0.25 |
| Configuration | D Type | - | 2-port Bandpass Filter | |
| | Y Type | - | 3-port WDM Filter | |
| Pass Channel Insertion Loss | dB | ≤1.50 | | ≤1.20 |
| Ref. Channel Insertion Loss (Only for Y Type) | dB | ≤0.60 | | ≤0.50 |
| Pass Channel Adjacent Channel Isolation | dB | ≥25 | | |
| Pass Channel Non-adjacent Channel Isolation | dB | ≥40 | | |
| Ref. Channel Isolation (Only for Y Type) | dB | ≥12 | | |
| Optical Return Loss | dB | ≥45 | | |
| Directivity | dB | ≥50 | | |
| Polarization Dependent Loss | dB | ≤0.20 | ≤0.15 | ≤0.10 |
| Fiber Type | - | SMF-28 Fiber or 10/130um DC Fiber (O) 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 | | |
| Maximum Optical Power (CW) | mW | 300 | | |
| Operating Temperature | °C | 0~70 | | |
| Storage Temperature | °C | -40~85 | | |
| Package Dimension | Stainless Steel Tube (SST) | mm | ∅5.5x35 | |
| | Metal Box | mm | L120x ^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.

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)

| FDWS- | N | CNN | (C) | - (C) | (C) | C | NN | - CC/CCC |
|-----------------|------------------|------------------|---------------|------------------------|---------------|--------------|-------------------------|----------|
| Channel Spacing | ITU Channel No. | Configuration | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type | |
| 1= 100GHz | C34= C34 Channel | D=D Type | M=Metal Box | O=10/130 DC Fiber | B= Bare fiber | 05=0.5m | N=Without Connector | |
| 2= 200GHz | H40= H40 Channel | Blank for Y Type | Blank for SST | T=12/130 DC Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector | |
| 5= 50GHz | L00= L00 Channel | | | G=25/300 DC Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector | |
| | C40= C40 Channel | | | Blank for SMF-28 Fiber | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector | |