



Single Mode Wavelength Division Multiplexers 980/1550nm

Features

All Fiber Construction
 High Reliability
 Outstanding Optical Performance
 Different Fiber Types Available

Applications

Fiber to the Home (FTTH)
 Local Loop
 Passive Optical Networks
 Fiber Optic Sensing

Specifications

| Parameters | Unit | Values |
|----------------------------|-------|------------------------------|
| Center Wavelength | nm | 980/1550 |
| Operating Wavelength Range | nm | ±15 |
| Min. Isolation at 23°C | nm | 20 |
| Max. Insertion Loss | dB | 0.2 |
| Max. PDL | dB | 0.1 |
| Thermal Stability | dB/°C | ≤ 0.002 over -5 °C to +70 °C |
| Min. Directivity | dB | 55 |
| Package Dimensions | mm | 250um Bare Fiber dia. 3.0X40 |
| | | 900um Loose Tube dia. 3.0X66 |
| | | 3mm Loose Cable 90X16X9.0 |
| Max. Optical Power (CW) | mW | 500 |
| Max. Tensile Load | N | 5 |
| Fiber Type | | 980 Coupler Fiber |
| Operating Temperature | °C | -5 to +70 |
| Storage Temperature | °C | -40 to +85 |

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Ordering Information

AWDM-①①①①-②-③③-④④-⑤

①①①①: Wavelength
 9855 - 980 & 1550nm

②: Port
 1 - 1X2
 2 - 2X2

③③: Connector Type on Port 1 & 2
 1 - FC/UPC
 2 - FC/APC
 3 - SC/UPC
 4 - SC/APC
 N - None
 S - Specify

④④: Fiber Jacket on Port 1 & 2

B - 250um Bare Fiber
 L - 900um Loose Tube
 C - 3mm Loose Cable
 S - Specify

⑤: Fiber Length

1 - 1.0m
 S - Specify