

Thin-Film 850/1310 Multi Mode High Isolation Wavelength Division Multiplexer

This document proposes the specification of the Thin-Film Multi Mode High Isolation Wavelength Division Multiplexer that transmits light at 1310 nm and reflects light at 850 nm.

Specifications

(All parameters are referenced without connectors. Typical connector loss 0.25 dB/pair)

| Parameters | | Specifications | Unit |
|--|------------------------|--|------|
| Transmitted Band | | 1270-1350 | nm |
| Reflected Band | | 800-900 | nm |
| Passband Insertion Loss | | ≤ 0.8 | dB |
| Reflected band Insertion Loss | | ≤ 1 | dB |
| Isolation in Transmission Against Reflected Band | | ≥ 35 | dB |
| Isolation in Reflection Against Transmitted Band | | ≥ 35 | dB |
| Return Loss | | ≥ 35 | dB |
| Directivity | | ≥ 40 | dB |
| Optical Power Handling | | > 500 | mW |
| Operating Temperature | | 0 to 70 | °C |
| Storage Temperature | | -40 to 85 | °C |
| Fiber Type | | Multimode 62.5/125um or Multimode 50/125um | |
| Package Dimension (excluding strain relief) | Bare Fiber | $\phi 5.5 \times 35$ typical | mm |
| | 900 μ m Loose Tube | $\phi 5.5 \times 40$ typical | |

OptiWorks

Part number of WDM

| | | | | | | | | | | | | | | |
|---|---|---|--|--|--|--|--|--|--|---|---|--|--|--|
| W | M | M | | | | | | | | N | N | | | |
|---|---|---|--|--|--|--|--|--|--|---|---|--|--|--|

