



1480/1550nm Micro-Optic Wavelength Division Multiplexer

AC Photonics' Micro-Optics WDM utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, low temperature sensitivity and epoxy free optical path. All AC Photonics' products are Telcordia qualification tested.



Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- Ultra Flat Wide Passband
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

Applications

- System Monitoring
- WDM System
- Transmitters and Fiber Lasers
- Fiber Optical Amplifier
- Fiberoptic Instruments

Performance Specifications

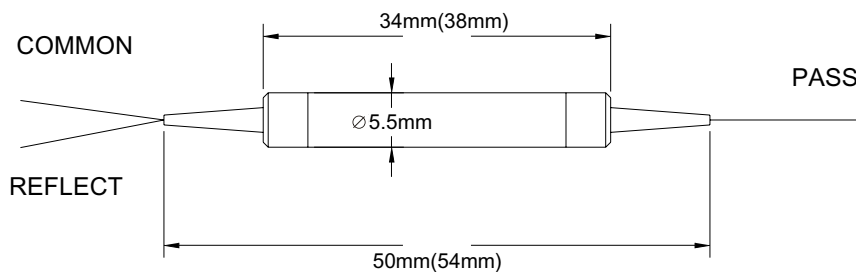
| Parameter | MWDM-54/45 | |
|--|-----------------------------|-------|
| Pass Channel Wavelength Range (nm) | 1530 ~ 1580 (or 1440~ 1490) | |
| Reflect Channel Wavelength (nm) | 1440 ~ 1490 (or 1530~ 1580) | |
| Insertion Loss (dB) | Reflect Channel | ≤ 0.4 |
| | Pass Channel | ≤ 0.6 |
| Insertion Loss Variation(dB) | ≤ 0.3 | |
| Isolation (dB) | Reflect Channel | ≥ 12 |
| | Pass Channel | ≥ 30 |
| Insertion Loss Temperature Sensitivity (dB/°C) | ≤ 0.003 | |
| PDL (dB) | ≤ 0.10 | |
| Polarization Mode Dispersion (ps) | ≤ 0.1 | |
| Directivity (dB) | ≥ 60 | |
| Return Loss (dB) | ≥ 50 | |
| Power Handling (mW) | 300 | |
| Operating Temperature (°C) | 0 ~ +70 | |
| Storage Temperature (°C) | -40 ~ +85 | |
| Dimensions (mm) | ∅5.5 x L34(L38*) | |

* L38 for 900um Jacket.

Ordering Information

| MWDM | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
|------|--|--------------------------------|--------------------------|--|
| | Wavelength | Pigtail Style | Fiber Length | In/Out Connector |
| | 45=1480pass/1550 Reflect 54=1550pass/1480 Reflect | 1=Bare Fiber 2=900um Jacket | 1=1m 2=2m | 0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC |

Dimensions



Spectral Chart

