

# 1310/1490/1550nm Wavelength Division Multiplexer

This micro-optical WDM utilizes thin film coating technology and a non-flux metal bonding micro optics packaging design. It provides low insertion loss, high channel isolation, low temperature sensitivity and an epoxy-free optical path.



## Overview

### Wavelength Division Multiplexer (WDM) Filter

This high-performance Wavelength Division Multiplexer (WDM) filter is engineered for efficient optical communication systems. Operating across the 1310nm, 1490nm, and 1550nm wavelengths, it enables the seamless combination or separation of signals for bidirectional communication over a single optical fiber. Its compact design and robust environmental stability make it an ideal choice for demanding applications in telecommunications, fiber optic sensing, and advanced optical networking.

## Optical Specifications

### Key Performance Metrics

**3 count**

Operating Channels

Operating Wavelengths	1310nm, 1490nm, 1550nm
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## Physical & Environmental

### Device Characteristics

Low Insertion Loss • High Isolation • Environmental Stability

Package Type	Compact cylindrical package
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## Applications

### Typical Applications

- Telecommunications
- Fiber Optic Sensing
- Optical Networking