

# Wavelength Division Multiplexer

The wavelength division multiplexer (WDM) is a device that multiplexes different optical signals into a beam which transmits along a single optical fibre. At the receiving end, demultiplexing is used to separate optical signals from different wavelengths. The WDM adopts the parallel fusion tapering method and has high isolation and high reliability.

## Characteristics

- Low excess loss
- Small volume
- High stability and reliability

## Applications

- Fibre amplifier system
- Wavelength division multiplexing system
- Test system



## Specifications

Product Type	WDM-1-1-3-2
Operating Wavelength (nm)	980/1550
Operating Bandwidth (nm)	± 20
<b>Optical Properties</b>	
Insertion Loss (dB)	≤ 0.15
Polarization Dependent Loss (dB)	≤ 0.10
Isolation (dB)	≥ 20.0
Return Loss (dB)	≥ 55.0
Directional (dB)	≥ 55.0
<b>Environmental Properties</b>	
Operating Temperature (°C)	-5 to +70
Storage Temperature (°C)	-40 to +85
Relative Humidity (RH%)	5 - 95
<b>Appearance</b>	
Dimensions (mm)	Ø3×35, Ø3×45, Ø3×54
Fibre Length (m)	1.0±0.1 or Customized