

WDM Coupler

Feasa manufactures a wide range of Wavelength Division Multiplexers (WDMs) at its state of the art manufacturing facility in Limerick. Standard types include 1475/1550nm and 1480/1550nm pump WDMs and 1310/1550nm telecommunication WDMs. Custom wavelengths are also available and can be manufactured from either 80um or 125um fiber. Feasa's WDMs feature excellent reliability and thermal stability. Feasa's worldwide reputation is based on rapid delivery of the highest quality components to telecommunications, aerospace and fibre sensor industries.



APPLICATIONS

- Fiber Gyroscopes
- Pump Combiners
- Long Haul Telecommunications
- Passive Optical Networks (PONs)
- CATV
- Fiber Sensors
- Fiber Test and Measurement
- Telecommunications

FEATURES

- Low insertion loss
- Low PDL
- Low Return Loss
- Excellent Environmental Stability
- High Isolation

SPECIFICATIONS

Parameter	Specification
Configuration	1X2 or 2X2
Product Type	1475/1550 or 1310/1550 or 1480/1550 or Custom
Centre Wavelength	± 5nm
Isolation	>14dB operating wavelengths ± 5nm
Bandwidth	± 5nm
Insertion Loss (db)	< 0.35 db typically
Temperature Dependence	<0.015 nm / °C Centre Wavelength Shift
Operating Temperature	-54°C to +85°C
Polarisation Dependence	< ± 2nm Centre Wavelength Shift typically
Return Loss	< -45db typically
Package Size	45 mm x 3 mm
Fiber pigtail length	>800mm



ORDERING INFORMATION

WDM - A - B - CC - DD - E

Isolation (A)

- S = Single
- D = Double

Grade (B)

- A = Top
- B = Economy

Operating Wavelength (CC)

- 01 = 1310/1550
- 02 = 1475/1550
- 03 = 1480/1550
- ZZ = Custom

Port Configuration (DD)

- 12 = 1 X 2
- 22 = 2 X 2

Package (E)

- S = Standard (45mm)

Example

WDM-S-A-03-12-M

- WDM with single isolation, top grade, 1480/1550 wavelength, 1X2 configuration, miniature package.