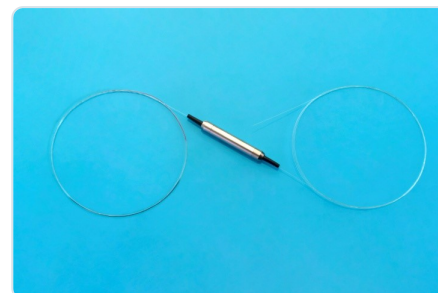


Single Mode Wavelength Division Multiplexer (WDM)

1310/1550 nm and 1480/1550 nm single-mode WDM couplers for combining or separating wavelengths, with very low insertion loss and high isolation



PRODUCT OVERVIEW

The single mode wavelength division multiplexer (WDM) 1310/1550 nm, 1480/1550 nm, 1×2 or 2×2, combines or separates light at different wavelengths. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. These components have been extensively used in EDFA, CATV, WDM networks and fibre-optic instrumentation.

KEY FEATURES

- All-fibre structure
- High reliability
- Standards applicable

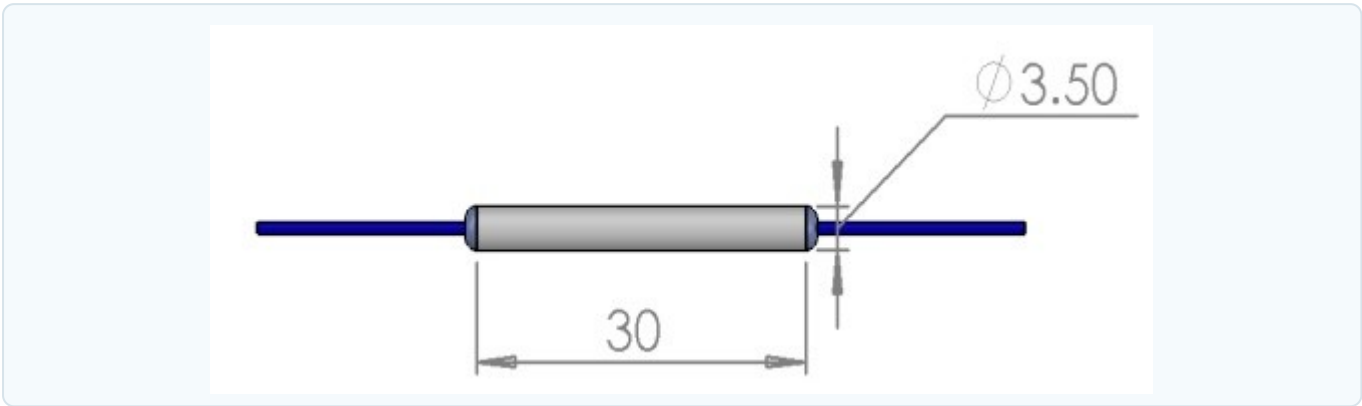
APPLICATIONS

- Urban Intelligent Traffic Monitoring System (ITS)
- Highway monitoring / communication system
- Electricity / water safety monitoring system

SPECIFICATIONS

PARAMETER	VALUE	UNIT
Operating Wavelength	1310 nm / 1550 nm	nm
Bandwidth	20	nm
Minimum Isolation	20	dB
Max. Insertion Loss	0.25	dB
Max. PDL	0.1	dB
Directivity	> 55	dB
Optical Power Handling	< 300	mW
Operating Temperature Range	−5 ~ 70	°C
Storage Temperature	−55 ~ 85	°C
Pigtail Length	1 meter or custom	m
Fibre Configuration	1×2 or 2×2	—
Fibre Type	SMF28e	—
Package Dimension	Φ3.0 x 35	mm

PACKAGE DIMENSION



All dimensions in millimeters (mm) — drawing not to scale for reproduction

ORDERING INFORMATION

ILP / 1 - 2 - 3 - 4 - 5 - 6 - 7

1 PORT	2 OPERATING WAVELENGTH	3 COUPLING RATIO	4 FIBRE TYPE	5 FIBRE DIAMETER	6 FIBRE LENGTH	7 CONNECTOR
1:1x2	13:1310nm	50:50/50	S:SMF-28	2:250µm	1:0.8 m	00:Bare Fiber
2:2x2	15:1550nm	40:40/60	X:XX	9:900µm	2:1.0 m	FC:FC/PC
X:XX	—	30:30/70	—	2:2.0mm	X:XX	SA:SC/PC
—	—	X:XX	—	3:3.0mm	—	LP:LC/PC

Note 1: IL and RL values specified are without connector loss.
Note 2: Specifications are subject to change without notice.