

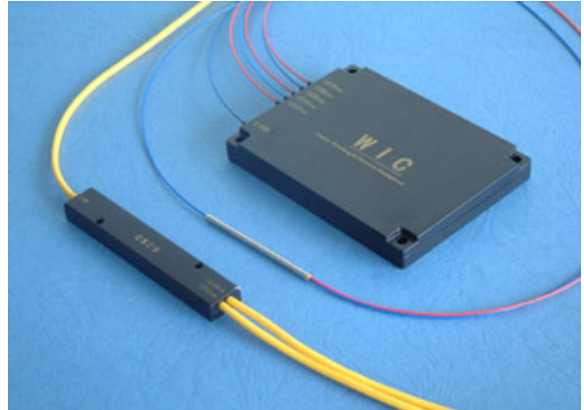


980/1550NM WDM

Description

The fiber amplifier WDM enables the combination of pump and signal in C-band 980nm pumped Erbium Doped fiber Amplifiers (EDFA). The uniquely low insertion loss of this component, across the whole C-band, enables manufacturers to achieve the lowest noise figure in their amplifiers. Similarly low loss in the 980nm window maximizes the pump power reaching the Erbium fiber. Applications include EDFAs for dense WDM systems, pre and post amplifiers and optical noise sources. 980/1550(or 1590)nm WDMs are manufactured using

optical fiber with numerical aperture intermediate between that of signal and gain fibers to enable mode-field matching and bend-insensitive single mode operation at both wavelengths.



Features

- Low insertion loss
- High wavelength isolation
- Low polarization dependence
- Environmentally stable

Applications

- Optical amplifiers
- CATV
- High speed communications
- WDM networks

Specifications

Characteristics	Unit	Value/Performance
Center Wavelength	nm	980 and 1550, or 980 and 1590
Bandwidth	nm	±15
Insertion Loss	dB	≤0.15 (0.06 typ.)
Isolation	dB	≥20
Polarization Dependent Loss	dB	≤0.1
Thermal Stability	dB/°C	≤0.002 over -20 ~ +70°C
Directivity	dB	≥60
Configuration	-	1x2 or 2x2
Lead Length	m	0.75, others on request
Lead Type	-	250um bare fiber
Package Type	-	A1
Operating Temperature	°C	-40 ~ +85°C

Dimensional Drawing

Please see coupler package information.

Ordering Information

Part Number: **WDM-12 4 SM 1 A1-0.75**

1 2 3

1 Configuration	12=1x2, 22=2x2
2 Wavelength	4 = 980nm & 1550nm, 6 = 980nm & 1590nm
3 Lead Length	0.75=0.75m

Products manufactured in
ISO 9001 certified facilities



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