

980/1550nm & 1480/1550nm WDMs



AFL delivers two new high performance Wavelength Division Multiplexers.

AFL's 980/1550nm and 1480/1550nm WDMs are fabricated using an advanced fused biconical taper technology and meet Bellcore GR-1209 and GR-1221 specifications. These WDMs are ideal for combining 980nm or 1480nm pump light and 1550nm signal light in Erbium-Doped Fiber Amplifiers. Both the 980/1550nm and 1480/1550nm WDM operate over a very wide temperature range and exhibit excellent stability while maintaining very low insertion loss.

AFL has the capability to custom design a variety of packages to meet your telecommunications needs.

FEATURES & BENEFITS

- Bi-directional Pumping
- Low Insertion Loss
- Wide Operating Temperature
- Low PDL
- Highly Stable and Reliable
- Epoxy-Free Optical Path

PRODUCT APPLICATION

- Erbium-Doped Fiber Amplifiers
- WDM Systems
- Fiberoptic Instruments
- Transmitters and Fiber Lasers

RELATED PRODUCTS

- 1%, 3%, 5%, and 10% Tap Couplers
- Panda EDF Module
- 1310/1550 Dual-Window WBC
- FSM-40S, FSM-30S, and FSM-30PF Fusion Splicers

AVAILABILITY

Please contact your SSR for lead time.

Click Here
for complete technical
specifications, part number,
and ordering information.

For pricing, availability, and additional information about this and other Passive Optical Components from Alcoa Fujikura Ltd., please call:

1-800-AFLFIBER

Alcoa Fujikura Ltd.
Telecommunications Division

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Innovations to light your way.



980/1550 & 1480/1550 WDMs - TECHNICAL SPECIFICATIONS

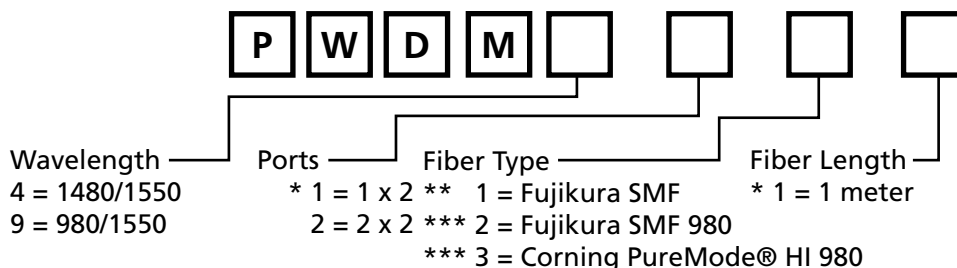
Parameter		Unit	
Wavelength		nm	980/1550
Wavelength Bandwidth		nm	±10
Insertion Loss (pump)	Typ.	dB	0.4
	Max.	dB	0.8
Insertion Loss (signal)	Typ.	dB	0.25
	Max.	dB	0.55
Return Loss	Min.	dB	50
Directivity	Min.	dB	55
Temperature Coefficient	Max.	dB / °C	0.002
Polarization Dependent Loss	Max.	dB	0.1
Fiber Type			Fujikura Single Mode 980 or Corning PureMode® HI 980
Fiber Length (standard)		m	1.0
Package Dimensions (dia. x length)		mm	3.2 (dia.) x 65 (length)
Operating Temperature		°C	-40 to 85
Storage Temperature		°C	-40 to 85

All WDM Fused-tapered couplers meet Telecordia GR-1221-CORE and GR-1209-CORE.

Parameter		Unit	
Wavelength		nm	1480/1550
Wavelength Bandwidth		nm	±10
Insertion Loss (pump)	Typ.	dB	0.4
	Max.	dB	0.8
Insertion Loss (signal)	Typ.	dB	0.25
	Max.	dB	0.55
Return Loss	Min.	dB	50
Directivity	Min.	dB	55
Temperature Coefficient	Max.	dB / °C	0.002
Polarization Dependent Loss	Max.	dB	0.1
Fiber Type			Fujikura Single Mode 10/125/250
Fiber Length (standard)		m	1.0
Package Dimensions (dia. x length)		mm	3.2 (dia.) x 75 (length)
Operating Temperature		°C	-40 to 85
Storage Temperature		°C	-40 to 85

All WDM Fused-tapered couplers meet Telecordia GR-1221-CORE and GR-1209-CORE.

DESCRIPTION / PART NUMBER / ORDERING INFORMATION



- * Standard
** Fujikura SMF used for 1480/1550
*** Fujikura SMF 980 standard for 980/1550 or Corning PureMode HI 980 can be substituted

BACK