

## AFL 1310/1550nm WDM



### **AFL delivers ultra wide bandwidth Wavelength Division Multiplexer.**

AFL's 1310/1550nm WDM is fabricated using an advanced fused biconical taper technology and meets Bellcore GR-1209 and GR-1221 specifications. The 1310/1550nm WDM separates or combines light in the 1310 and 1550nm bands over an ultra wide bandwidth ( $\pm 20$ nm) and wide temperature range while maintaining excellent stability and low insertion loss. The 1310/1550nm WDM is suited to meet the needs of CATV systems while flexible enough to be used in fiber-optic instruments.

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

### FEATURES & BENEFITS

- Low Insertion Loss
- Ultra Wide Bandwidth
- Wide Operating Temperature
- Low PDL
- Highly Stable and Reliable
- Epoxy-Free Optical Path

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

### PRODUCT APPLICATION

- Telecommunications Systems
- CATV
- Fiber-optic Sensors and Instruments
- Subscriber Loops

### RELATED PRODUCTS

- 1%, 3%, 5%, and 10% Tap Couplers
- 980/1550 and 1480/1550 Pump WDMs
- 1310/1550 Dual-Window Wideband Coupler
- FSM-40S, FSM-30S, and FSM-30PF Fusion Splicers

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

For pricing, availability, and additional information about this and other PM products from Alcoa Fujikura Ltd., please call:

**1-800-866-7461**

Please ask for:

Ann H. Ray - Marketing Product Manager

Email: [ann.ray@alcoa.com](mailto:ann.ray@alcoa.com)

**Alcoa Fujikura Ltd.**  
Telecommunications Division

P.O. Box 3127 • Spartanburg, SC 29304  
(864) 433-0333 • Fax: (864) 486-7269

*Innovations to light your way.*

[www.AFLfiber.com](http://www.AFLfiber.com)



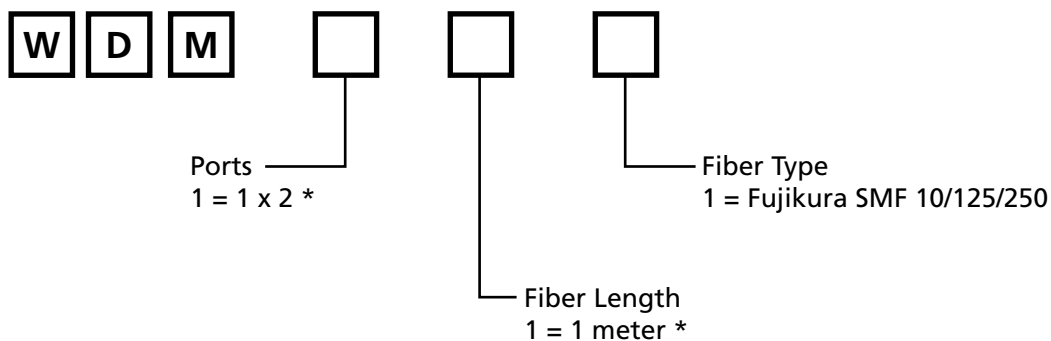
ALCOA

## 1310/1550 WDM - TECHNICAL SPECIFICATIONS

Parameter		Unit	
Wavelength		nm	1310/1550
Wavelength Bandwidth		nm	±20
Insertion Loss	Typ.	dB	0.4
	Max.	dB	0.6
Isolation	Min.	dB	20
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 SM 10/125/250
Fiber Length (standard)		m	1.0
Package Dimensions (dia. x length)		mm	3.2 (dia.) x 55 (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



ALCOA

Release Version 1.0  
10.4.2000

BACK