

BROADBAND WDM's

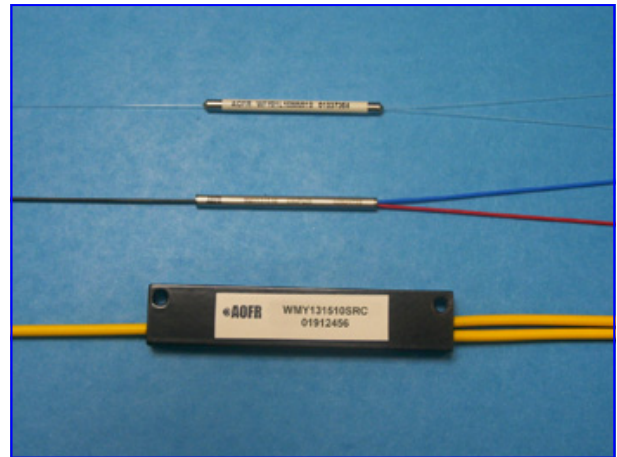
AOFR's 1310/1550nm WDM's offers superior optical performance in combining or dividing 1310 nm and 1550 nm optical signals. Low insertion loss, low PDL, high isolation, and high directivity are achieved by utilizing AOFR's advanced fused biconic taper technology and state-of-the-art manufacturing process. For demanding demultiplexing applications, higher isolation versions are also available.

FEATURES

- All fiber construction - high reliability performance
- Suited to standard 1310nm and 1550nm sources
- Low insertion loss for multiplexing
- High and very high isolation for demultiplexing
- High directivity – low crosstalk
- Variety of package and pigtail options
- Factory connectorization available
- Custom Packaging available

APPLICATIONS

- Multiplexing/demultiplexing
- Double system capacity over a single fiber
- Bidirectional communication over a single fiber
- CATV networks
- Fiber optic test equipment



SPECIFICATIONS

Configuration	1x2		
Center Wavelengths	1310nm and 1550nm		
Bandpass	1290-1330nm and 1530-1570nm		
	Multiplexer/ Demultiplexer	High Isolation Demultiplexer	Very High Isolation Demultiplexer
Maximum Insertion Loss (dB)	0.3	0.7	1.0
Minimum Wavelength Isolation (dB)	15.0	30.0	45.0
Typical Isolation for ±10nm bandpass (dB)	20.0	40.0	60.0
Return Loss/Directivity	>55dB		
Operating Temperature	-40°C to 85°C		
Fiber type	Corning SMF28e Photonic (200kpsi)		

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ORDERING INFORMATION

Component Type		Catalog Number			Connector Option ¹	
		Y	1315	10		
WM	Standard Isolation				blank	No connectors
WMH	High Isolation ²				AFC	FC angle polish
WMHH	Very High Isolation ²				ASC	SC angle polish
Package/Pigtail Option					ALC	LC angle polish
XP	45mm long x Ø3mm tubular 250µm acrylate coating				FCU	FC Ultra polish
XL	46mm long x Ø3mm tubular 0.9mm loose tube buffer				SCU	SC Ultra polish
SRC	75 x 15 x 6mm ruggedized 3mm reinforced cable				LCU	LC Ultra polish
AFNL	FO-2 Fiber Organizer 0.9mm loose tube buffer				STU	ST Ultra polish
AFNC	FO-2 Fiber Organizer 3mm reinforced cable					

¹ Connector return loss:
Angle polish : 65dB minimum
Ultra polish: 57dB minimum

² Available only in Fiber Organizer package

PACKAGE OUTLINES

