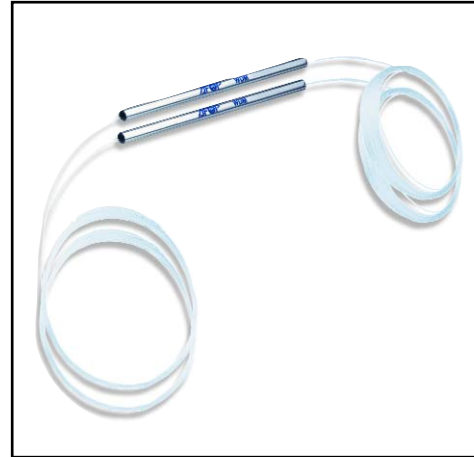


Fused WDMs

The 821 series of fused WDM offers superior performance and long term reliability. These components are highly stable across the stated range, exhibiting low insertion loss, and high isolation. The AFOP ultra series provide the highest performance available in the industry, for critical wdm applications. AFOP Fused WDMs outperforms the best of the competition and can be depended on for a wide range of use. AFOP singlemode WDMs are available with bare fiber or high quality buffered fiber pigtailed, for ease of use.



APPLICATIONS

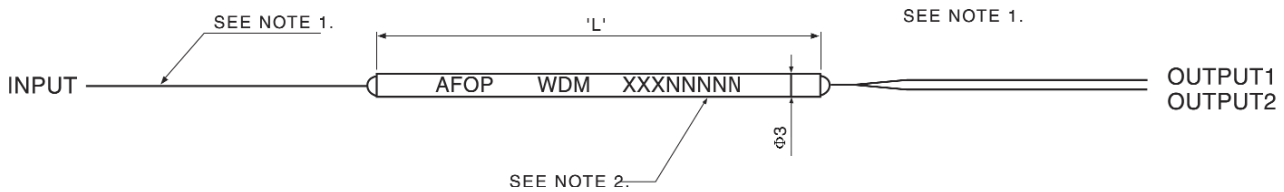
- EDFAs Networks
- Telecommunication Systems
- Point to Point Systems
- CATV Distribution Networks
- Test Instrumentation

FEATURES

- Stability Over Temperature
- Compact Size and Low PDL
- Telcordia GR-1209 & GR-1221 Compliant
- Wide Spectral Channel
- Greater Bandpass

SPECIFICATIONS - FUSED WDMs / 821 SERIES

Parameters	Specifications
Bandpass	See Table
Directivity	< - 55 dB
Return Loss	< - 55 dB
PMD	< 0.1 ps
Pigtail Tensile Strength	5N
Operating Temperature	- 40°C to + 85°C
Storage Temperature	- 40°C to + 85°C
Storage Relative Humidity	20 - 90 (%RH)
Qualification	Telcordia GR-1209, 1221



PACKAGE DIMENSIONS:

	Standard Size
Fiber Type	250 μm 900 μm
Tube Length (L)	60 mm 65 mm
Color Code	
Input	Clear White
Output 1 (Short Wavelength)	Black Black
Output 2 (Long Wavelength)	Clear White

Notes:

1. Fiber length is 1 meter ± 10 cm
2. "XXXNNNNNN" is the production serial number

Fused WDMs

MAXIMUM INSERTION LOSS CONVERSION TABLE (dB) (Excluding Connector Loss)

Operating Bandwidth		IL*(max) dB	Isolation (Min) dB	PDL*(max) dB	WDL*(max) dB	TDL**(max) dB	P/N REFERENCE
980/1550nm ¹	Premium	0.10	20	0.02	0.07	0.02	821-NN00-2LX00
	Ultra	0.05	20	0.02	0.04	0.02	821-NN00-3LX00
980/1550nm ²	Premium	0.30	20	0.10	0.15	0.05	821-NN00-2GX00
	Ultra	0.20	20	0.05	0.15	0.05	821-NN00-3GX00
1480/1550nm	Premium	0.40	15	0.08	0.30	0.05	821-NN00-2HX00
	Ultra	0.25	17	0.08	0.20	0.05	821-NN00-3HX00
1310/1550nm	Premium	0.35	16.5	0.08	0.30	0.05	821-NN00-2EX00
	Ultra	0.25	17.5	0.08	0.20	0.05	821-NN00-3EX00

Notes:

* Insertion Loss(IL), Wavelength Dependent Loss(WDL) and Polarization Dependent Loss(PDL) measured at 23° C without connectors.

**Temperature Dependent Loss measured as change in IL from - 5° C to + 75° C

Max IL measured over operating wavelength range (not including PDL and TDL)

¹Fiber type is Lucent BFO5635-02 (HI 980)

²Fiber type is Corning Flexcor(Hi 1060)

ORDERING INFORMATION:

821	-	N	N	0	0	-	N	X	X	0	0
		↓	↓				↓	↓	↓		
		Packaging Type	Configuration				Grade	WDM Type	Connector*		
		1: 250 μm Tube 2: 900 μm Tube 3: 900 μm Ruggedized 4: 1.6 mm Ruggedized 5: 3 mm Ruggedized	1: 1x2 2: 2x2				2: Premium 3: Ultra	E: 1310/1550 G: 980/1550 ² H: 1480/1550 L: 980/1550 ¹	0: None K: LC/APC L: LC/PC P: FC/PC Q: FC/APC S: SC/PC T: SC/APC U: MU/PC		

Note:

* Specifications do not include connector loss.