

HIGH PERFORMANCE 1X2 AND 2X2 COUPLERS AND TAPS

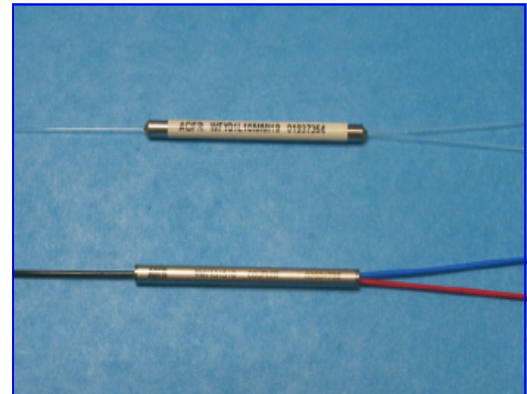
AOFR offers a series of splitters and tap couplers optimized for extremely high performance in telecommunication networks and in OEM applications such as EDFA's and Raman Amplifiers. Flattened wavelength response and low excess loss and PDL allow for superior performance in the C, S, or L bands.

FEATURES

- Extremely low excess loss
- C, S, and L band coverage
- 980, 14xx, and 1550nm coverage
- Proven FBT reliability and high power handling
- All fiber construction
- Stable environmental performance

APPLICATIONS

- EDFA's
- Raman amplifiers



SPECIFICATIONS for S,C and L bands or 980nm and 1480nm pump bands

Coupling Ratio (%)	Primary max IL (dB)	Secondary min IL (dB)	Secondary max IL (dB)	Secondary max PDL (dB)
1/99	0.15	17.5	21.0	0.2
2/98	0.2	15.5	18.0	0.2
5/95	0.35	12.0	13.5	0.2
10/90	0.7	9.0	10.5	0.2
20/80	1.2	6.5	8.0	0.2
30/70	2.0	4.7	5.8	0.2
40/60	2.6	3.7	4.5	0.2
50/50	3.4	2.8	3.4	0.2
Typical Excess Loss	0.08 to 0.10dB			
Return Loss/Directivity	>55dB			
Operating Temperature	-40°C to 85°C			
Fiber type	Corning SMF28e (200kpsi) or 980 fiber			

980 FIBER SPECIFICATION

Attenuation	3.5 dB/km at 980nm	Cladding diameter	125 ± 1µm
Mode field diameter	4.2 ± 0.5µm at 980nm	Acrylate coating diameter	245 ± 15µm
Cut off wavelength	≤960nm	Proof test level	200 kpsi
Numerical Aperture	0.2 (nominal)	Core/cladding off-set	0.3 µm max

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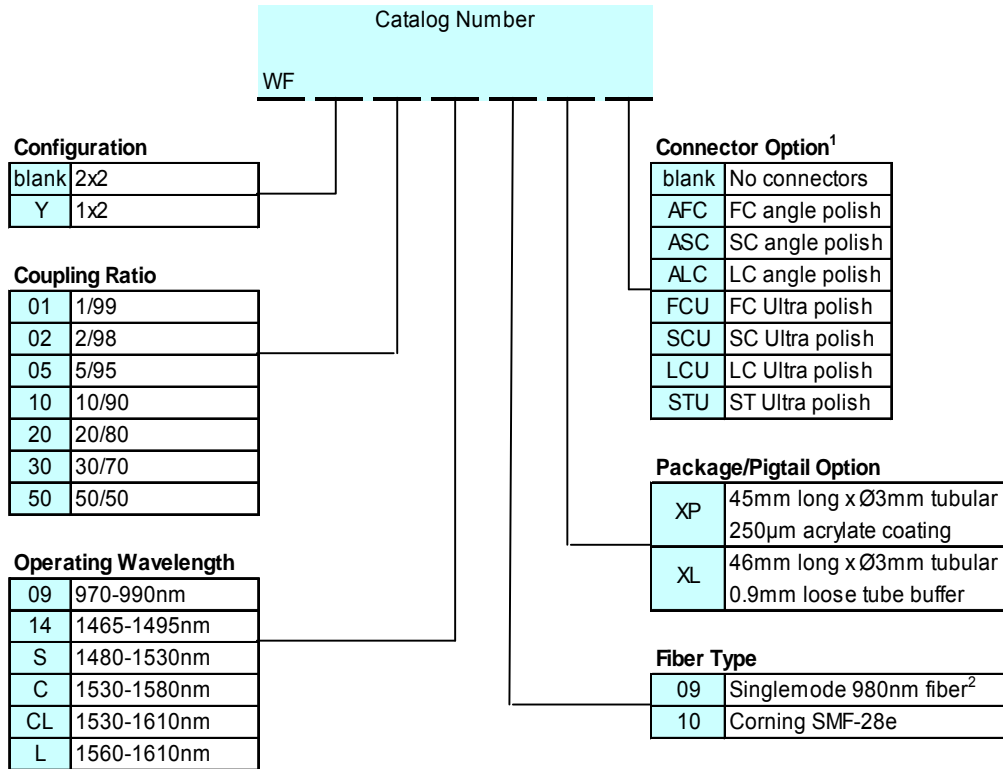
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ORDERING INFORMATION



¹ Available with loose tube buffer pigtails only

Connector return loss: Angle polish >65dB, Ultra polish: >57dB

² For 980nm couplers only

PACKAGE OUTLINES

