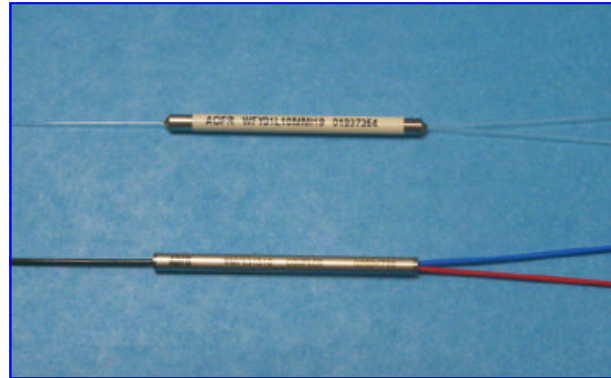


### 980/1550 MULTIPLEXER FOR EDFA PUMPING

AOFR's 980/1550 WDM are specifically designed to optimize the performance of Erbium Doped Fiber Amplifiers (EDFA's). The fiber has been designed to minimize loss and polarization dependence as well as reduced bend sensitivity. AOFR's proven fused biconic taper (FBT) technology and advanced production techniques give high stability and reliability with high power handling capability. Pump WDMs are available in a small tubular package suited for OEM applications.

#### FEATURES

- Low insertion loss
- High pump coupling efficiency
- All fiber construction
- Stable environmental performance
- High power handling capability
- Proven FBT performance
- Reduced bend sensitive 0.2NA 980 fiber



#### SPECIFICATIONS

<b>Configuration</b>	1x2
<b>Operating temperature</b>	-40°C to 85°C
<b>Pump Insertion loss (970-985nm)</b>	<0.2dB
<b>Signal Insertion loss (1525-1570nm)</b>	<0.2dB
<b>PDL</b>	<0.05dB
<b>Return loss/Directivity</b>	>55dB
<b>Fiber Type</b>	980 Fiber*
<b>Power handling</b>	<4 Watts
<b>Package</b>	45mm long x Ø3mm

#### 980 FIBER SPECIFICATION

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

Other 980 fibers such as OFS and Nufern are available upon request.

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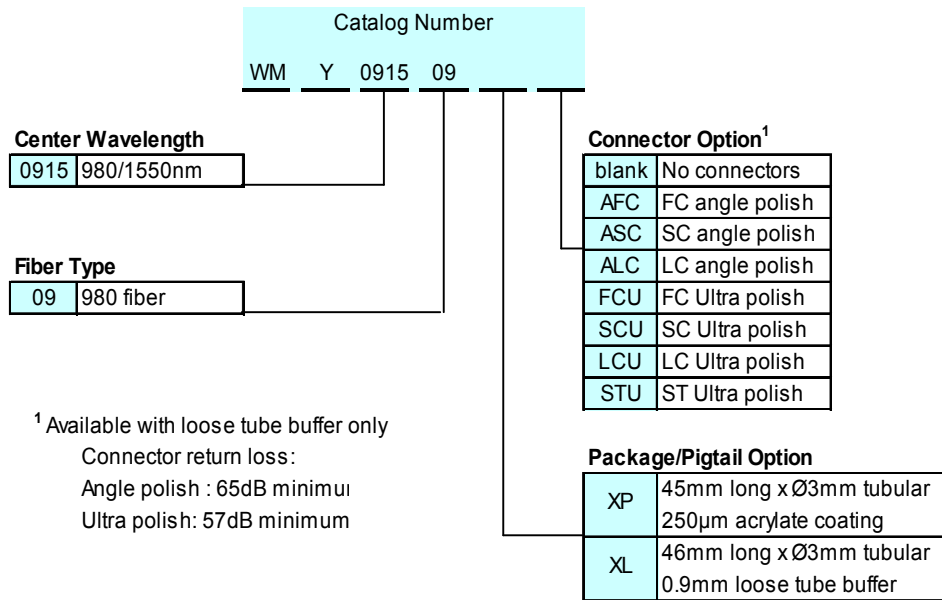
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### ORDERING INFORMATION



### PACKAGE OUTLINES

