

wavelength division multiplexer coupler - pump

980/1550nm and 1480/1550nm WDMs are fabricated using an advanced fused biconical taper technology and meet Bellcore GR-1209 and GR-1221 specifications. These WDMs are ideal for combining 980nm or 1480nm pump light and 1550nm signal light in Erbium-Doped Fiber Amplifiers. Both the 980/1550nm and 1480/1550nm WDM operate over a very wide temperature range and exhibit excellent stability while maintaining very low insertion loss.

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

features

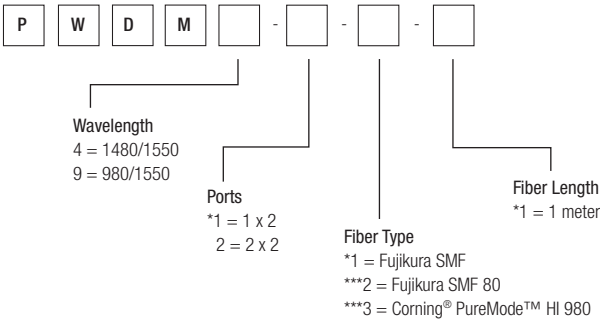
- High reliability
- All fiber structure
- Bi-directional pumping
- Low insertion loss
- Wide operating temperature
- Low PDL
- Highly stable and reliable



specifications

ITEMS		MODEL NUMBER	
		DAF-0400-1-B	DAF-0300-1-B
Type		980/1550	1480/1550
Operating Wavelength range	Pump	980±10nm	1480±10nm
	Signal	1550±10nm	1550±10nm
Insertion Loss	Pump	< 0.4dB	< 0.5dB
	Signal	< 0.4dB	< 0.8dB
PDL	Pump	< 0.1dB	< 0.1dB
	Signal	< 0.1dB	< 0.1dB
Directivity		> 55dB	-
Operating Temperature Range		-20 to + 70°C	-20 to + 70°C
Storage Temperature Range		-40 to + 85°C	-40 to + 85°C
Fiber type		Corning® CS980	Fujikura SMF 10/125
Fiber lead length		1 meter (standard)	1 meter (standard)

ordering information



* Standard
** Fujikura SMF used for 1480/1550
*** Fujikura SMF 980 standard for 980/2550 or Corning® Puremode™ HI 980 can be substituted