

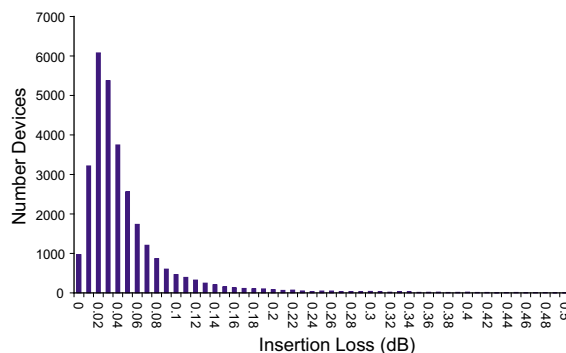
Product Bulletin



The 980 nm pump/signal WDM is a compact, low-loss fused component (1x2 or 2x2) that provides a means of multiplexing signal and pump power in erbium doped fiber amplifiers (EDFAs). It utilizes advanced fused-fiber technology to yield ultra-low insertion loss, low polarization dependent loss (PDL), and low wavelength dependence in a compact package. The fused 980 nm pump/signal WDM can be provided in both C- and L-band versions.

Fused 980 nm Pump/Signal WDM Insertion Loss at 1550 nm

Sample = 30,410



- 82% of AA grade components have insertion loss <0.05 dB
- Robust manufacturing process, even at highest specifications

Fused 980 nm Pump/Signal WDMs

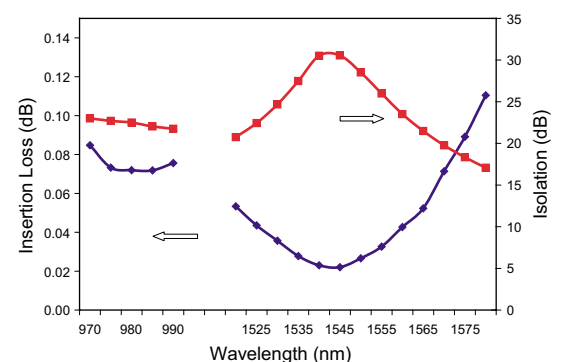
Key Features

- Ultra-low signal loss
- Ultra-low pump loss
- Low and consistent wavelength dependence
- Low PDL

Applications

- EDFA pump/signal multiplexing
- 980 nm pump rejection

Fused 980 nm Pump/Signal WDM Typical Spectral Response



- <0.1 dB insertion loss
- Ultra-low noise figure especially when used at amplifier input
- <0.05 dB WDL
- Flatter gain, especially when cascading large numbers of amplifiers
- <0.1 dB excess loss
- More efficient amplifiers

**Fused 980 nm
Pump/Signal WDMs | 2**

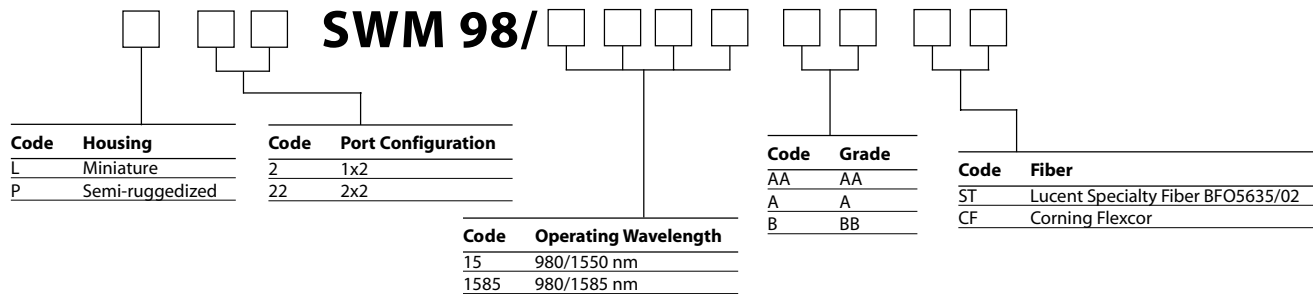
Specifications

Parameter	Fused 980 nm Pump/Signal WDMs		
Operating wavelength range (signal)	1530 to 1560 nm or 1570 to 1600 nm		
Operating wavelength range (pump)	970 to 990 nm		
Grade	AA	A	BB
Maximum insertion loss	0.1 dB	0.2 dB	0.3 dB
Isolation	20 dB	20 dB	18 dB
Return loss/directivity	55 dB		
Polarization dependent loss	0.1 dB		
Fiber	Lucent Specialty Fiber BFO5635/02 (grade AA and A) or Corning Flexcor (grade A and BB)		
Dimensions	L-type Ø 3.0 x 55 mm P-type Ø 5.0 x 80 mm		
Pigtail length	>1000 mm		

Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please print the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact your JDS Uniphase account manager, or call 1-877-550-JDSU toll free in North America or visit www.jdsuniphase.com.

Sample: L2SWM98/15ACF



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Corning Flexcor is a registered trademark of Corning Incorporated.



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