

Product Bulletin



The 980 nm coupler is a compact, low-loss, fused component (1x2 or 2x2) that provides a means of splitting or monitoring the pump power in erbium doped fiber amplifiers (EDFAs). It uses advanced fused-fiber technology to yield ultra-low insertion loss and low polarization dependent loss (PDL) in a compact package. The coupler is available for other pump wavelengths, such as 1480 and 1054 nm.

Fused 980 nm Couplers

Key Features

- Ultra-low pump loss
- Low PDL

Applications

- EDFA pump redundancy
- Pump power monitoring

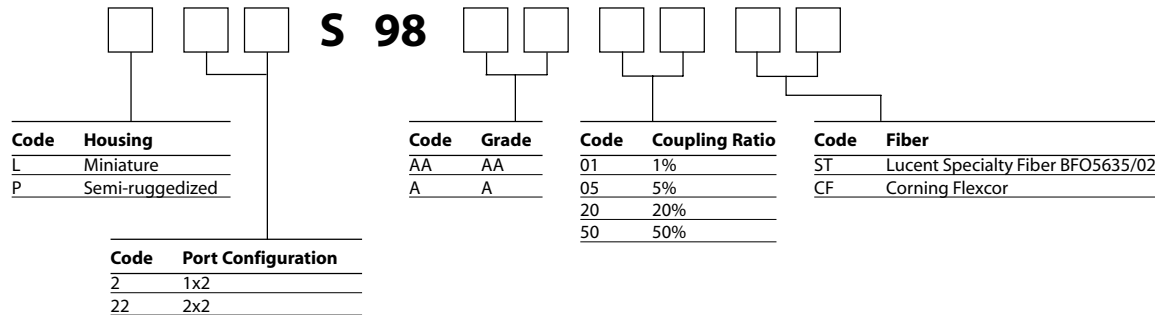
Specifications

Parameter	Fused 980 nm Couplers							
Operating wavelength	980 nm							
Coupling ratio	1%		5%		20%		50%	
Grade	AA	A	AA	A	AA	A	AA	A
Typical excess loss	0.1 dB	0.2 dB	0.1 dB	0.2 dB	0.1 dB	0.2 dB	0.1 dB	0.2 dB
Maximum signal insertion loss	0.2 dB	0.3 dB	0.4 dB	0.5 dB	1.3 dB	1.5 dB	3.3 dB	3.6 dB
Maximum tap insertion loss	21.5 dB	23.0 dB	14.7 dB	15.0 dB	8.0 dB	8.4 dB	3.3 dB	3.6 dB
Return loss/directivity	50 dB							
Polarization dependent loss	0.2 dB							
Fiber	Lucent Specialty Fiber BFO5635/02 or Corning Flexcor							
Dimensions	L-type Ø 3.0 x 50 mm P-type Ø 5.0 x 75 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: L2S98A01ST



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Corning Flexcor is a registered trademark of Corning Incorporated.

