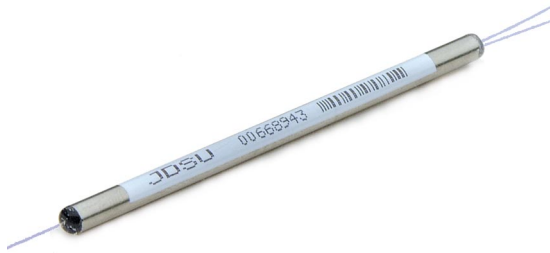


Product Bulletin

Preliminary



Extended Band Fused Tap Couplers (1520 to 1620 nm)

The extended band fused tap coupler is a compact, low-loss, fused-fiber component (1x2). Operating over an extended bandwidth from 1520 to 1620 nm, the device enables accurate power monitoring with minimal loss penalty. It uses advanced fused-fiber technology to provide ultra-low excess loss (<0.05 dB) and low wavelength, temperature, and polarization dependence.

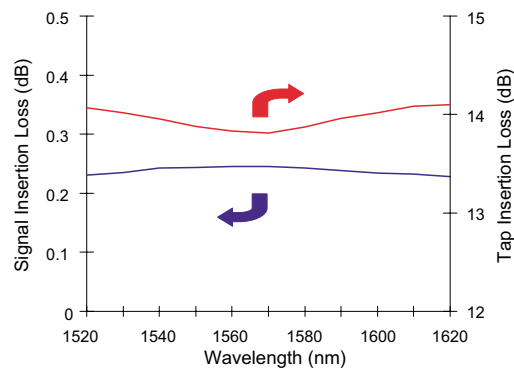
Key Features

- Excess loss <0.05 dB
- Signal PDL <0.05 dB
- Wide operating bandwidth

Applications

- C+L band monitoring in EDFA and high-capacity network systems

Insertion Loss 4% Extended Band Tap Coupler



Extended Band Fused Tap Couplers | 2

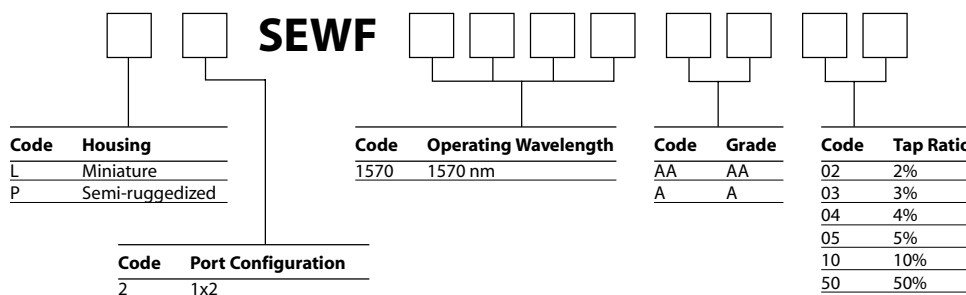
Specifications

Parameter	Extended Band Fused Tap Couplers											
Operating wavelength range	1520 to 1620 nm											
Tap ratio	2%		3%		4%		5%		10%		50%	
Grade	AA	A	AA	A	AA	A	AA	A	AA	A	AA	A
Typical excess loss	0.05 dB	0.10 dB	0.05 dB	0.10 dB	0.05 dB	0.10 dB	0.05 dB	0.10 dB	0.05 dB	0.10 dB	0.05 dB	0.10 dB
Maximum signal insertion loss	0.25 dB	0.35 dB	0.30 dB	0.40 dB	0.35 dB	0.45 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB	3.40 dB	3.70 dB
Maximum tap insertion loss	19.0 dB	20.0 dB	17.0 dB	18.0 dB	16.0 dB	17.0 dB	15.5 dB	16.0 dB	12.0 dB	12.5 dB	3.4 dB	3.7 dB
Wavelength dependence of tap insertion loss	0.7 dB	1.0 dB	0.6 dB	0.9 dB	0.5 dB	0.8 dB	0.5 dB	0.8 dB	0.4 dB	0.7 dB	0.4 dB	0.6 dB
Return loss/directivity	50 dB											
Polarization dependent loss (tap port)	0.15 dB	0.25 dB	0.15 dB	0.25 dB	0.15 dB	0.25 dB	0.15 dB	0.25 dB	0.10 dB	0.20 dB	0.10 dB	0.20 dB
Fiber	Corning SMF-28											
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: L2SEWF1570A02



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www.jdsuniphase.com

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