JDS Uniphase

Product Bulletin

Fused 1480 nm Pump/Signal WDMs

The 1480 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 uses advanced fused-fiber technology to yield ultra-low insertion loss and low polarization dependent loss (PDL) in a compact package. The 1480 nm pump/signal WDM is available in both C- and L-band versions.

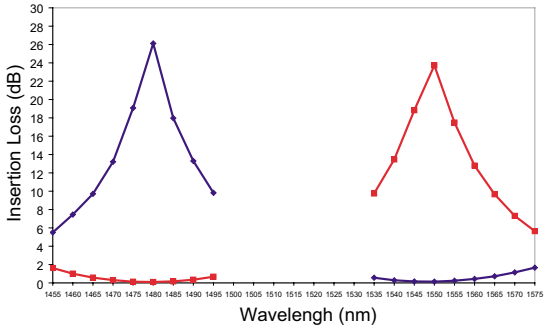
Key Features

- Ultra-low signal loss
- Ultra-low pump loss
- Low PDL

Applications

- EDFA pump/signal multiplexing
- 1480 nm pump rejection

1480 nm Pump/Signal WDM Spectral Response



Specifications

Parameter	Fused 1480 nm Pump/Signal WDMs	
Operating wavelength range (signal)[1]	1545 to 1555 nm or 1580 to 1590 nm	
Operating wavelength range (pump)	1475 to 1485 nm	
Grade	BB	B
Maximum insertion loss	0.3 dB	0.5 dB
Isolation	14 dB	12 dB
Return loss/directivity	55 dB	
Polarization dependent loss	0.1 dB	
Fiber	Corning SMF-28	
Dimensions	L-type Ø 3.0 x 55 mm	
	P-type Ø 5.0 x 80 mm	
Pigtail length	>1000 mm	

1. For information on performance over wider bandwidths, please contact the sales office.

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: L2SWM14/15BB

□ □ □ **SWM 14/** □ □ □ □ □ □

Code	Housing
L	Miniature
P	Semi-ruggedized

Code	Port Configuration
2	1x2
22	2x2

Code	Operating Wavelengths
15	1480/1550 nm
1585	1480/1585 nm

Code	Grade
BB	BB
B	B

Corning SMF-28 is a registered trademark of Corning Incorporated.

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