

WDM 980/1550 or 980/1590

High performance WDM for 980nm pump lasers.



FEATURES:

- Low insertion loss
- High wavelength isolation
- Low PDL
- Good environmental stability
- High return loss
- Telcordia GR-1221-CORE

APPLICATIONS:

- EDFA
- ASE sources
- Optical fiber sensors
- Optical fiber networks

The proven FBT technology base utilized in the Phoenix Photonics range of WDM's offers high performance associated with all-fiber devices. The WDM enables the combination of the 980nm pump laser with the signal in erbium doped fiber amplifiers and ASE sources. These components are characterized by low insertion loss across the whole signal band whilst simultaneously giving low pump wavelength loss, maximizing the useable pump power.

These compact footprint components are available in 1x2 or 2x2 format.

SPECIFICATION:		Units	1x2 or 2x2 Port WDMs	
Type			WDM-980/1550	WDM-980/1590
Operating Wavelength	Signal	nm	1530 to 1560	1570 to 1600
	Pump	nm	970 to 990	970 to 990
Insertion Loss ¹	Signal	dB	<0.15 (0.08 Typical)	
	Pump	dB	<0.1 (0.06 Typical)	
PDL		dB	<0.1	
Thermal stability		dB	<0.1	
Operating Temperature		°C	-40 to +85	
Directivity		dB	>60	
Pigtail		mm	750	

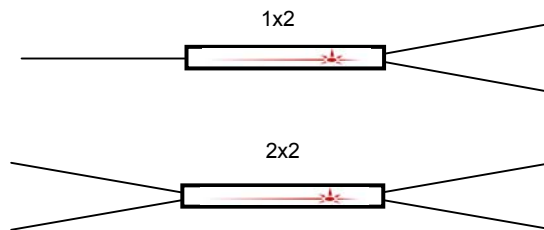
Lead Type	250µm	900µm loose tube	3mm cable
Package Dimensions	3mm dia. x48mm	3.5mm dia. x 66mm	90mmx16mmx9mm
		90mmx16mmx9mm	

Notes:

1 Insertion loss without connectors

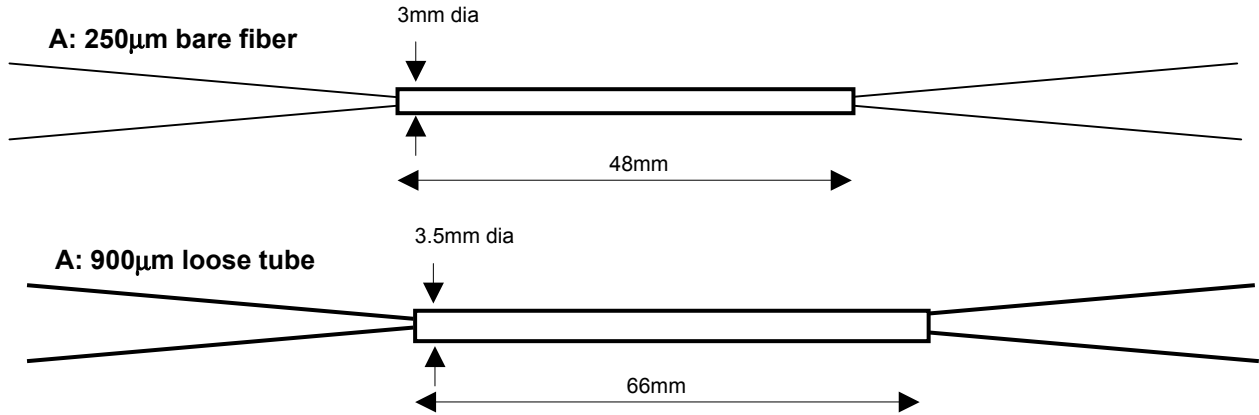
CONFIGURATION:

All couplers are available with single input fiber and two output fibers (1x2) or two input fibers and two output fibers (2x2).



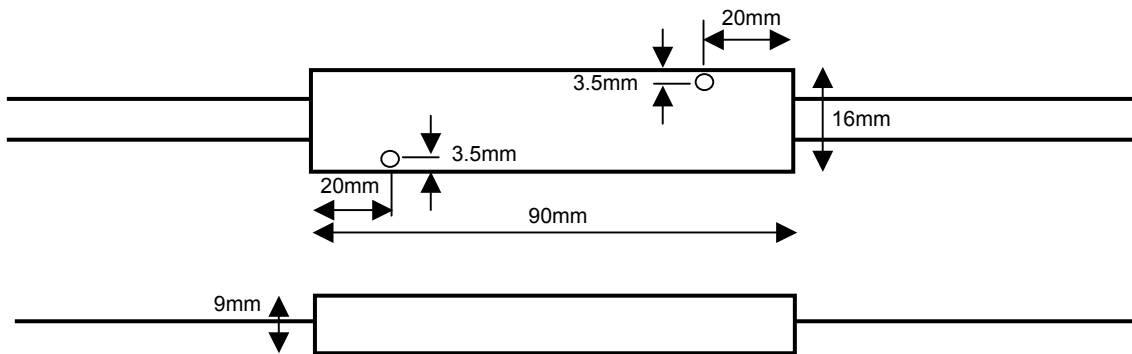
PACKAGE STYLE:

Package style A, stainless steel tubing



Package style B, rectangular cross section plastic package with throughput fibres.

B: 900µm loose tube or 3mm cable



PRODUCT ORDERING INFORMATION:

Note: Not all options below may not be available in all coupler types, please check with our sales representative, to ensure your specific requirements can be met.

W	D	M	-	0	9	-		-		-		-		-	
			Configuration:	Wavelength:		Cable type:	Package style:	Connectors:							
			1: 1x2 2: 2x2	1550 1590		0 - none 1 - 900µm loose tube 2 - 3mm cable	A B C	0 - none 1 - FC/SPC 2 - FC/APC 3 - SC/SPC 4 - SC/APC 5 - ST/PC 6 - LC/PC 7 - MU/PC 8 - other							

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