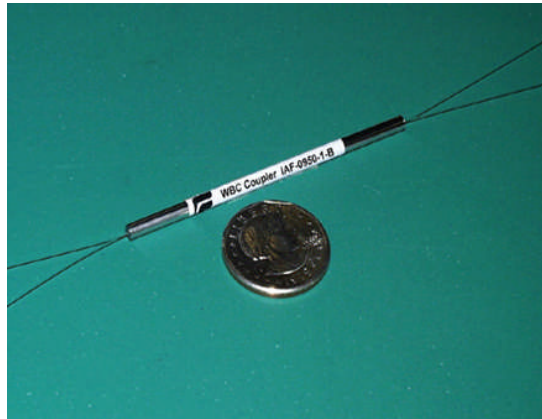


Polarization Beam Combiner



Fujikura Polarization Beam Combiners are produced by Fujikura fused taper technology. Fujikura PBC are qualified with Telcordia GR-1221-CORE and GR-1209-CORE.

Features

- ◇Low Insertion loss
- ◇High combining efficiency

Applications

- ◇Pump LDs for combining in EDFA and Raman Amp.
- ◇Raman Amp.

Available products:

Product Name	Part #
980 nm PBC	PMX-9801-2-B
1480 nm PBC	PMX-1401-2-B

STANDARD SPECIFICATION

FOR

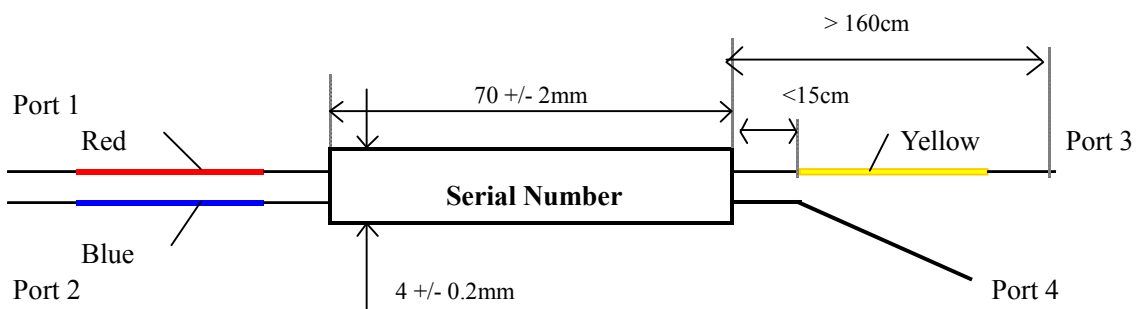
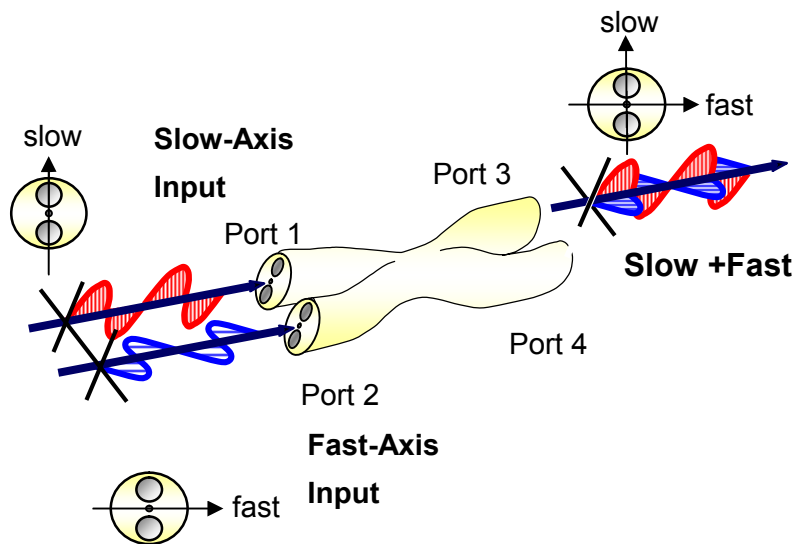
Polarization Beam Combiner at 980nm (PMX-9801-2-B)

1. General

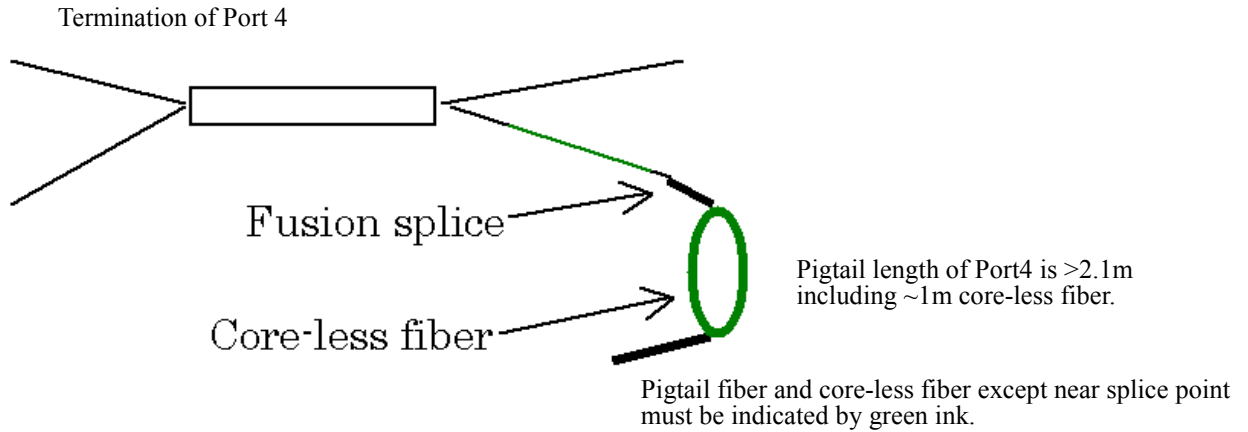
This specification covers 980nm Polarization Beam Combiner.

Part number : PMX-9801-2-B

2. Configuration



2x2 configuration of PMX



3. Specifications

Item		Unit	Specification	Remark
Operating wavelength		nm	975.0 to 985.0	
Insertion loss	1 -> 3 (slow)	dB	< 0.3	Measured at room temperature.
	2 -> 3 (fast)	dB	< 0.8	
Return loss *		dB	> 40	1, 2
Max. power handling		W	1	
Operating temperature		°C	0 to 70	
Storage temperature		°C	-40 to 85	

* Design guaranteed (with termination fiber spliced on P4)

Fiber type (Input&Output)	-	Fujikura PANDA fiber for 980 nm	
Port configuration	-	with termination fiber	
Package dimensions (Diameter x Length)	mm	φ 4 x L 70	
Standard fiber length	m	>1.6	1, 2, 3

4. Test Report

The results corresponding to Clause 3 shall be recorded by Fujikura in the test report.

4-1 Serial number

4-2 Insertion Loss

<End of Specification>



Specifications subject to change without prior notice

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<http://www.fujikura.co.jp/>
optodevice@jp.fujikura.com

STANDARD SPECIFICATION

FOR

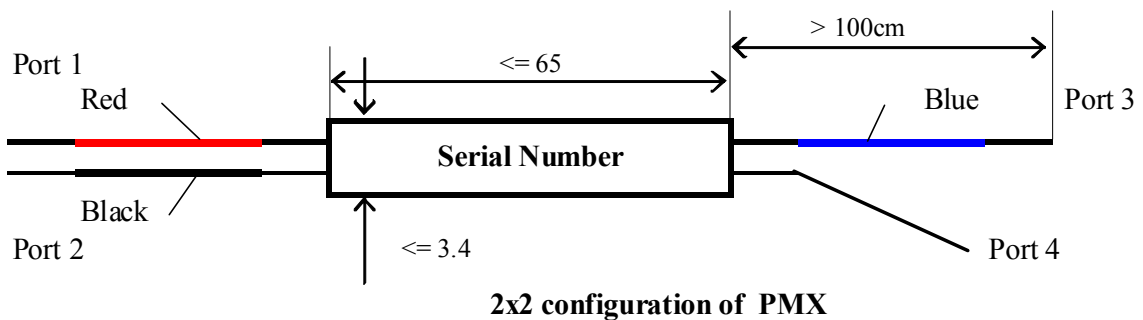
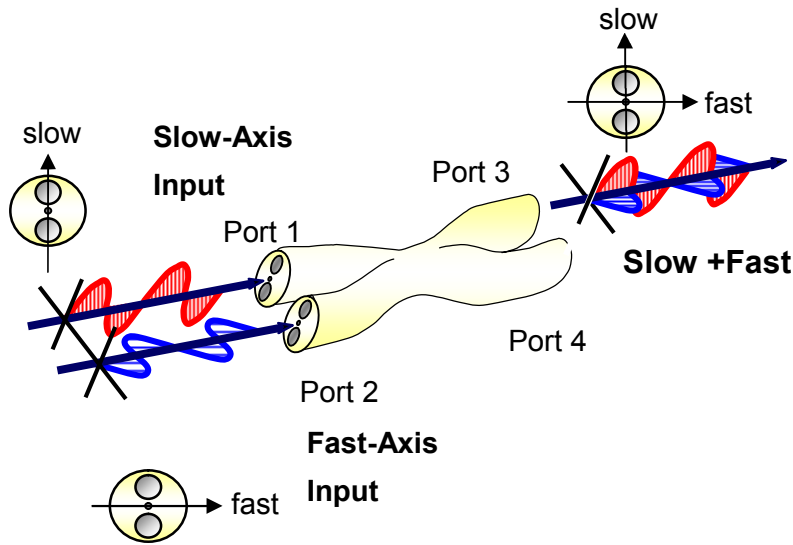
**Polarization Beam Combiner at 1480nm
(PMX-1401-2-B)**

1. General

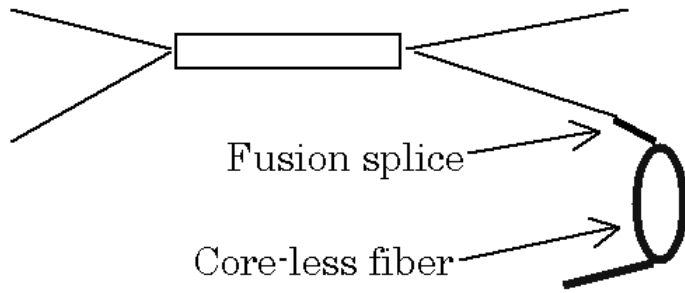
This specification covers 1480nm Polarization Beam Combiner.

Part number : PMX-1401-2-B

2. Configuration



Termination of Port 4



Pigtail length of Port4 is between 1.5m and 2.5m including 1m core-less fiber.

3. Specifications

Table1 Specifications

Item	Unit	Specification	
Operating wavelength	nm	1480 ±10	
Insertion Loss ⁽¹⁾	1 -> 3 (SLOW)	dB	< 0.4
	2 -> 3 (FAST)	dB	< 0.8
Return loss ⁽²⁾	dB	≥ 50	
Max. Power handling	W	1	
Operating Temperature	°C	0 to 70	
Storage Temperature	°C	-40 to 85	
Fiber Type (input & output)	-	Fujikura PANDA fiber for 1480nm	
Port Configuration	-	with termination fiber	
Package Dimensions (Diameter X Length)	mm	φ 3.2 x L 65	
Standard Lead Fiber length	m	> 1	

1. Measured at room temperature

2. Measured with 2 x 2 configuration with termination fiber spliced on P4

4. Test Report

The results corresponding to Clause 3 shall be recorded by Fujikura in the test report.

4-1 Serial number

4-2 Insertion Loss

<End of Specification>



Specifications subject to change without prior notice

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