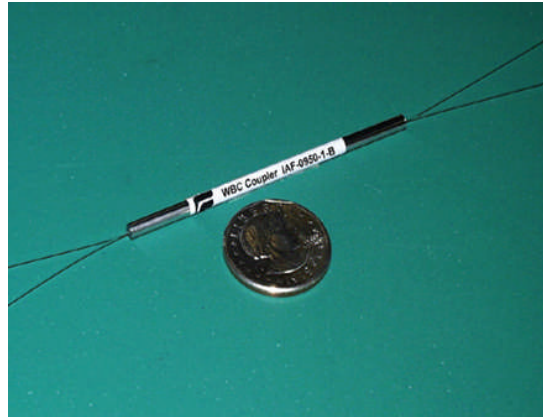


## 偏波ビームコンバイナ



フジクラの偏波ビームコンバイナはフジクラの熔融延伸技術を用いて製造されております。フジクラの偏波ビームコンバイナはTelcordia GR-1221-COREとGR-1209-COREに適合しております。

### 特徴

- ◇低挿入損失
- ◇高結合効率

### アプリケーション

- ◇EDFAや偏波保持EDFAの励起LD結合用途
- ◇偏波保持型EDFA
- ◇ラマン励起用途

### 製品リスト

製品名	型番
980 nm 偏波ビームコンバイナ	PMX-9801-2-B
1480 nm 偏波ビームコンバイナ	PMX-1401-2-B

## STANDARD SPECIFICATION

FOR

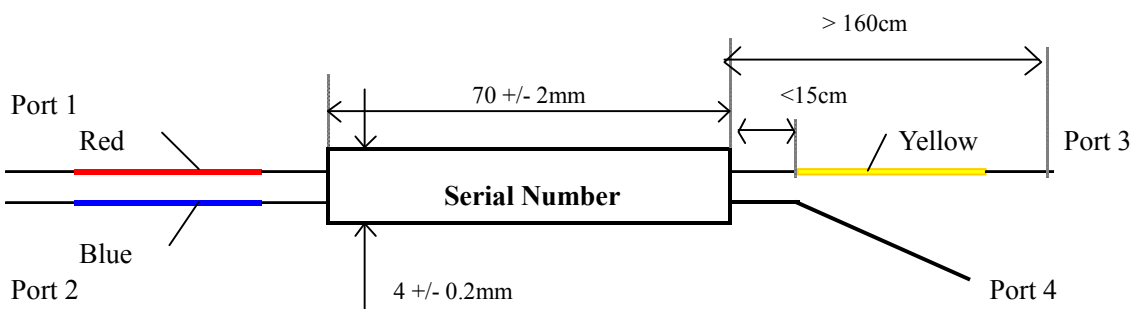
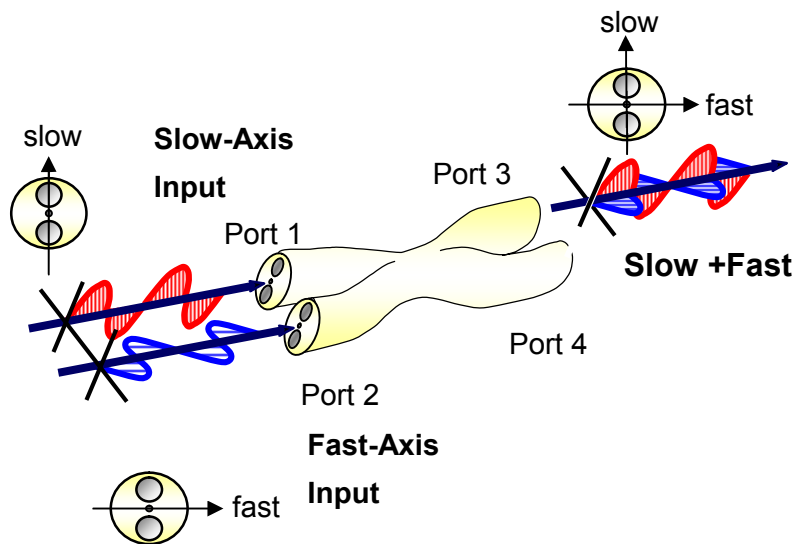
### Polarization Beam Combiner at 980nm (PMX-9801-2-B)

#### 1. General

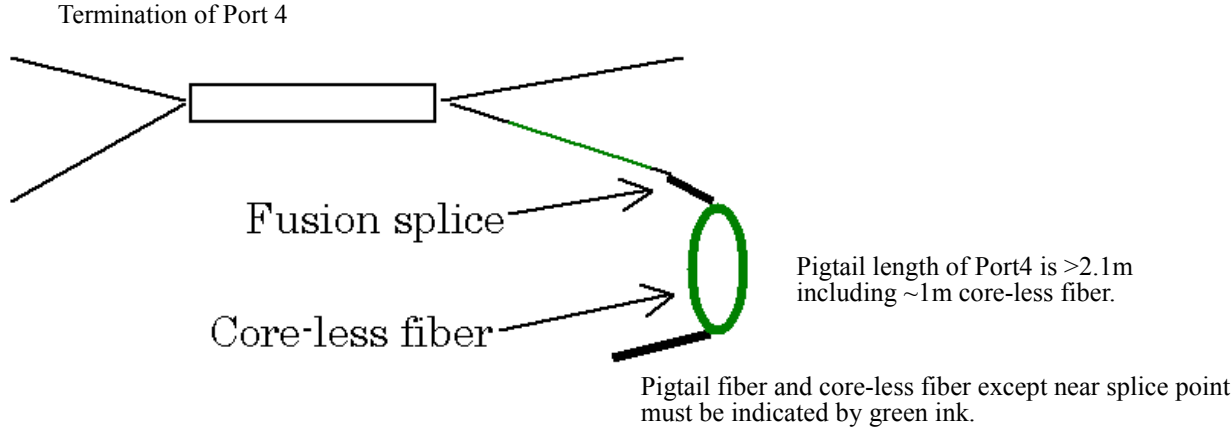
This specification covers 980nm Polarization Beam Combiner.

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>



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Specifications subject to change without prior notice

# STANDARD SPECIFICATION

FOR

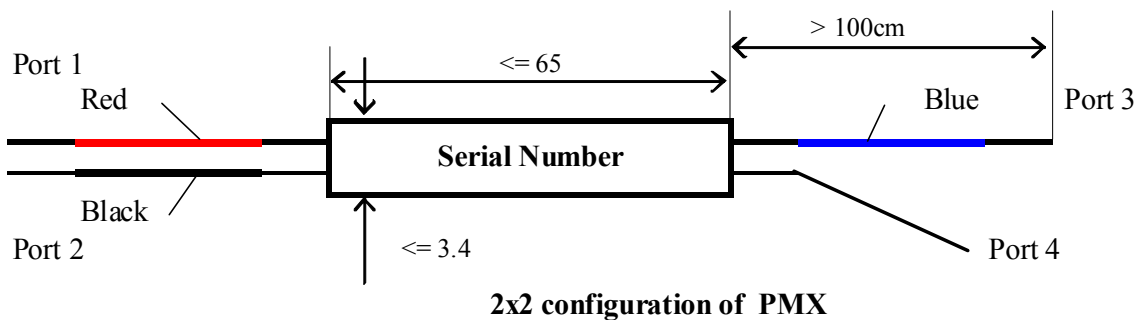
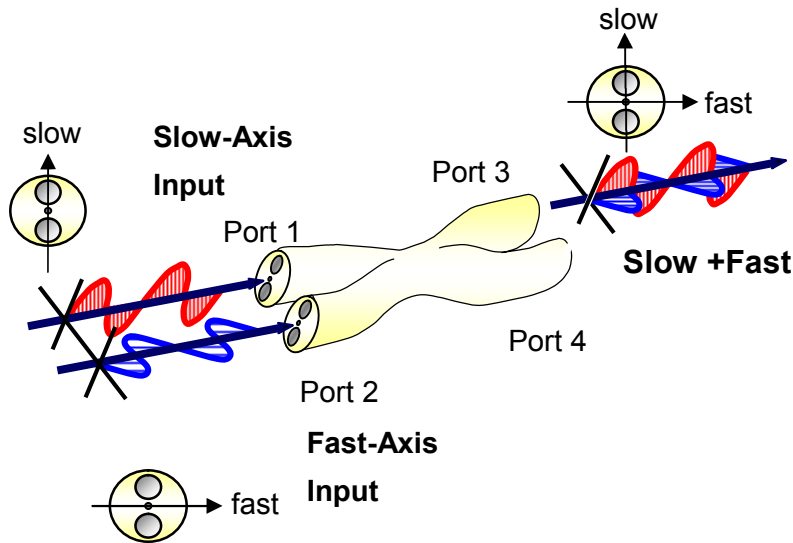
**Polarization Beam Combiner at 1480nm  
(PMX-1401-2-B)**

1. General

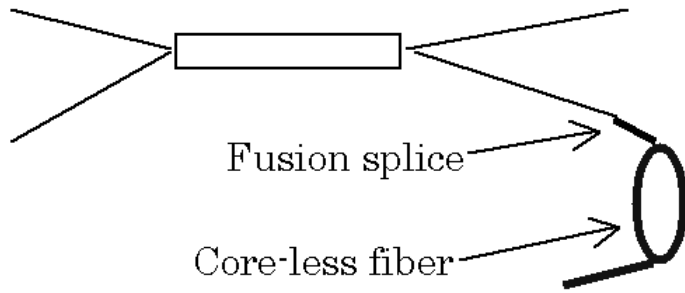
This specification covers 1480nm Polarization Beam Combiner.

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 <sup>(1)</sup>	1 -> 3 (SLOW)	dB	< 0.4
	2 -> 3 (FAST)	dB	< 0.8
Return loss <sup>(2)</sup>	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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