

1 Micron Fiber Polarization Beam Combiner

AP-PBC-1000

A polarization-maintaining all-fiber polarization beam combiner is designed to combine two orthogonal polarizations into a single fiber.

Features:

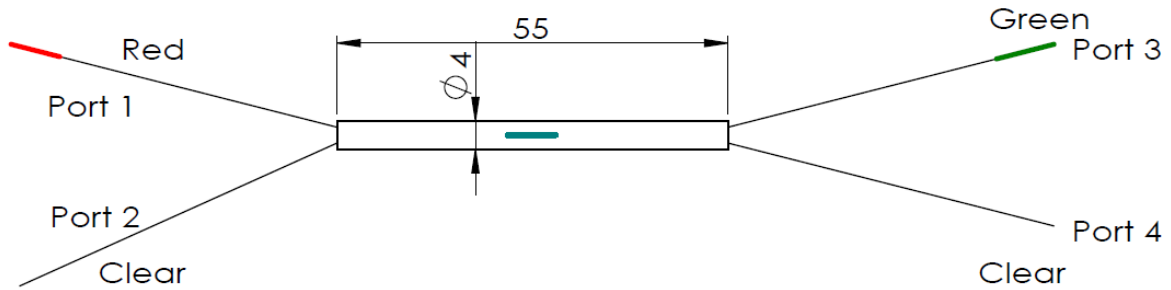
- High power handling
- Low insertion loss
- Excellent stability and reliability
- Small package

Product Characteristics:

Parameters	Unit	Specification
Operating Wavelength	nm	980 nm to 1120 nm (1.55 μm and 2 μm band also available)
Max. Power Handling	W	>50 and >150
Excess Insertion Loss	dB	<0.3
Polarization Extinction Ratio	dB	>20
Bandwidth	nm	2
Fiber Port Configuration		1x2 or 2x2
Operating Temperature	$^{\circ}\text{C}$	-5 to +70
Storage Temperature	$^{\circ}\text{C}$	-40 to +85
Max. Tensile Load	N	5
Package Dimensions	mm	$\varnothing 4 \times 55$
Pigtail Fiber		PM 10/125 fiber, 250 μm bare fiber, 1 m fiber length

Specifications subject to change without notice

Mechanical Outline:



Ordering Information:

Part Number:	AP-PBC	-	xxxxPM	-	xx	-	xxx	-	B	-	1		N
			Custom Wavelength: xxxx = xxxx nm		Optical Power: 50 = 50 W xx = xx W		Port Configuration: xxx = 1x2 or 2x2		Fiber Pigtail: B = 250 μ m bare fiber		Fiber Length: 1 = 1m		Connector: N = no connector

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