

1 Micron Fiber Polarization Beam Splitter

AP-PBS-1000

A polarization-maintaining all-fiber polarization beam splitter is designed to split a single input into its orthogonal polarizations through two fiber outputs.

Features:

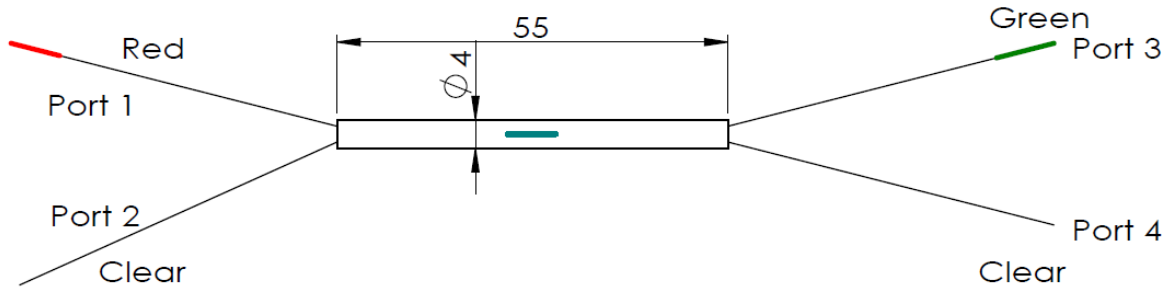
- High power handling
- Low insertion loss
- Large range of coupling ratio
- Excellent stability and reliability
- Small package

Product Characteristics:

Parameters	Unit	Specification
Operating Wavelength	nm	980 nm to 1120 nm (1.55 μ m and 2 μ m band also available)
Max. Power Handling	W	>50 and >150
Splitting Ratio		0.01% – 99.9%
Excess Insertion Loss	dB	<0.3
Bandwidth	nm	2
Return Loss	dB	20
Fiber Port Configuration		1x2 or 2x2
Polarization Extinction Ratio	dB	>20
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85
Max. Tensile Load	N	5
Package Dimensions	mm	Ø4 x 55
Pigtail Fiber		PM 10/125 fiber, 250 μ m bare fiber

Specifications subject to change without notice

Mechanical Outline:



Ordering Information:

Part Number:	AP-PBS	-	xxxxPM	-	xx	-	xx	-	xxx	-	B	-	1	-	N
			Custom Wavelength: xxxx = xxxx nm		Optical Power: 50 = 50 W xx = xx W		Splitting Ratio: xx = xx%		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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