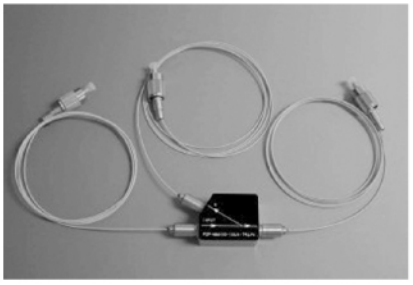
PSP Beamsplitter



PSP-S3-4/96-1550-FC/APC/APC/APC

Utilizes unique and proprietary technology to create the only beamsplitter on the market that preserves the SOP of the input beam. The PSP has a wide bandwidth (50-100 nm) and wide fields-of-view (= 5°). The PSP Beamsplitter produces a split with very low PDL: = 0.05 dB typical for both output beams. The PSP also preserves the SOP and phase angle of the input signal to the two outputs*. Standard split ratios are 96/4, 33/66, and 50/50 with others available on a custom basis. Please inquire

A "Tap" PSP Beamsplitter with 4% reflection and 96% transmission is used to sample the optical beam for the purpose of monitoring power

*Note : The SOP will change as the signal travels through SM fiber. To control the phase change the fiber will need to be fixed and/or calibration may be required using a polarimeter or other method.

For non telecom applications the PSP can handle high power and cover a broadband split. The split ratio will maintain constant amplitude with low PDL.

Specifications for Single Mode 1550nm

Total Insertion Loss : 0.5 - 0.9dB
PDL : ≤ 0.05 dB
Power Handling : > 5W
Fiber : SMF28

*For PM fiber applications see PFS series.

Catalog Number	*Wavelength*	*Split Ratio*	*Split Ratio*	*Split Ratio*
PSP-S3-R/T-λ	780/850	4/96	NA	50/50
	1064	4/96	33/66	50/50
	1550	4/96	33/66	50/50

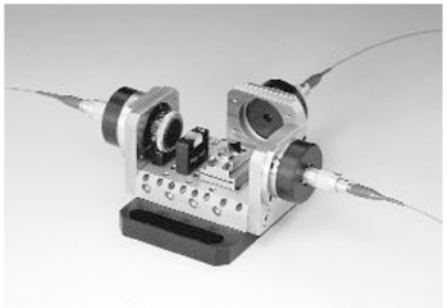
Ex: PSP-S3-4/96-850

Variable 1x2 and 1x3 Splitters

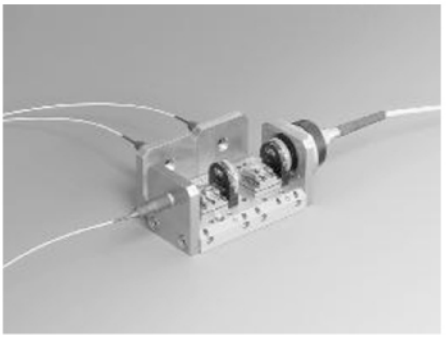
A Variable Splitter consists of a FiberTable with FiberPorts and appropriate optical components. The split ratio is varied by turning a 1/2-Wave Retarder mounted in a Rotating Base.

Catalog Number	*Description*	*Variable Split Ratios*
PFSV-FFT-1x2	FiberTable Variable Splitter	01/99 to 99/01
PFSV-FFT-1x3		

Note : Specify wavelength in nm when ordering
FiberBench systems are also available as customer aligned kits, inquire.



Variable 1X2 Splitter



Variable 1X3 Splitter