

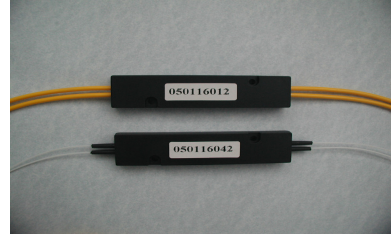
Single Mode 630nm/780nm Fiber Splitter

(PSC630 series and PSC780 series)



The PSFS- Single Mode Couplers/Splitters are based on BTF technology. They offer very low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99 are available with very tight uniformity in a wide wavelength range. These components find extensive application to perform power splitting and monitoring functions for many types of sensor applications, interferometer systems.

PSFS SM Coupler/Splitter
(Box Package for 3mm Jacket)====>>



General Specifications

Parameter	Unit	Values			
Grade		P			
Operating Wavelength	nm	630nm; 780nm			
Bandwidth	nm	+/-20			
Coupling Ratio	%	01/99	05/95	10/90	50/50
Max. Insertion Loss	dB	21.5/0.2	14.6/0.4	10.8/0.6	3.4
Max. Excess Loss	dB	0.08			
Max. PDL (tap port)	dB	0.1			
Thermal Stability	dB/°C	≤ 0.002dB/°C over -40 °C to +85 °C			
Directivity	1X2	≥ 50 dB			
	2X2	≥ 65 dB			
Fiber length		1 meter, others on request			
Fiber type		3M SM630 fiber; Nufern 630HP, Corning 780HP			
Package Dimensions		250um bare fiber and Dia. 3.0 mm x L= 35 mm			
Operating Temperature		-40 °C to +85 °C			

* Above specs for coupler without connectors; Insertion loss will be 0.2dB higher, RL will be 5dB lower after connectorized.

Ordering information

PSC-①-②②-③③-④-⑤-⑥-⑦

①: Port
1 - 1X2
2 - 2X2

④: Grade
P - P grade
S - Specify

⑥: Fiber type
0.25 - 250um bare fiber
0.9 - 900um tube
3.0 - 3mm jacket

②②: Wavelength
0630 - 630nm 0780 - 780nm
SS - Specify

⑤: Connector Type
01 - FC/UPC 07 - ST/UPC
02 - FC/APC 08 - ST/APC
03 - SC/UPC N - None
04 - SC/APC S - Specify
05 - LC/UPC
06 - LC/APC

⑦: Fiber Length
1 - 1m
S - Specify

③③: Coupling Ratio
01 - 01/99
05 - 05/95
10 - 10/90
50 - 50/50 SS - Specify

Note: For PM fiber coupler/splitter products, visit our web for more info.

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