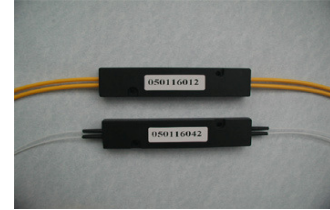


# Single Mode 1310/1550nm Fiber Coupler/Splitter (PSC series - Standard Type)



The PSC 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 communication systems, general purpose in SM fiber pigtailed systems, or FBG sensor interrogation systems.

## SM 1310/1550 Coupler/Splitter



### General Specifications

Parameter	Unit	Values			
Grade		P			
Operating Wavelength	nm	1310, 1550, or Dual-Windows(1310+1550), or Three-Window(1310+1490+1550)			
Bandwidth	nm	+/-20 standard (or call for +/-40nm broadband type)			
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		Coning SMF-28			
Package Dimensions		250um bare fiber and dia. 3.0 mm X 35 mm			
Operating Temperature		-40 °C to +85 °C			

\*The above specification is for coupler without connector

\*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

### 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

1310 - 1310nm      1550 - 1550nm  
3155 - 1310nm+1550nm  
314955 - 1310nm+1490nm+1550nm

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

### Contact Information:

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