

# Single Mode Standard Coupler

## Features

Wide Bandwidth and Low Insertion  
Low Insertion Loss  
High Quality and Reliability

## Applications

Fiber Distribution Network  
CATV Network  
Test Equipment

## Specifications

Parameters	Unit	Values			
Center Wavelength	nm	1310 or 1550			
Operating Wavelength Range	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. PDL (Tap/Through Port)	dB	0.3/0.05	0.3/0.05	0.25/0.05	0.05
Max. Excess Loss	dB	0.15			
Thermal Stability	dB/°C	≤ 0.002dB/°C over -5 °C to +70 °C			
Min. Directivity	1X2	50 dB			
	2X2	65 dB			
Package Dimensions		250um Bare Fiber and dia. 3.0mmX40mm			
		900um Loose Tube and dia. 3.0mmX56mm			
		3mm Loose Cable and 90mmX16mmX9mm			
Max. Optical Power (CW)	mW	500			
Max. Tensile Load	N	5			
Fiber Type		SMF-28e Fiber			
Operating Temperature	°C	-5 to + 70			
Storage Temperature	°C	-40 to + 85			

\*Above specifications are for device without connector.

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

## Ordering Information

**SMC-①①-②-③③-④④-⑤⑤-⑥**

①①: Wavelength

31 - 1310nm

55 - 1550nm

SS - Specify

②: Port

1 - 1X2

2 - 2X2

③③: Coupling Ratio

01 - 01/99

05 - 05/95

10 - 10/90

50 - 50/50

SS - Specify

④④: Connector Type on Port 1 & 2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2

B - 250um Bare Fiber

L - 900um Loose Tube

C - 3mm Loose Cable

S - Specify

⑥: Fiber Length

1 - 1.0m

S - Specify