



1550nm Singlemode Coupler (SMC Series)

Description

Spec Review No.: SR18228

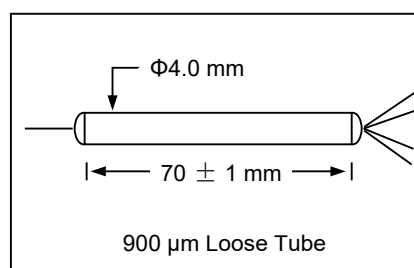
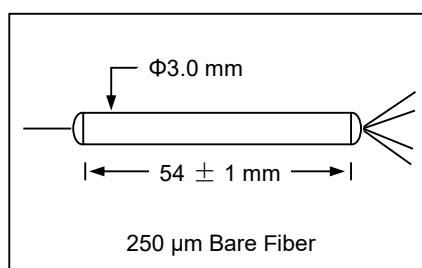
The Singlemode Coupler offers very low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99 are available with very good uniformity in a wide wavelength range. These components find extensive applications to perform power splitting and monitoring functions in all kinds of optical communication systems.

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1550
Operating Wavelength	nm	$\lambda_c \pm 15$
Coupling Ratio	%	25/25/25/25
Max. Insertion Loss	dB	7.0
Max. PDL	dB	0.2
Max. Uniformity	dB	1.0
Max. Excess Loss	dB	0.15
Thermal Stability	dB/°C	≤ 0.005
Min. Return Loss	dB	55
Min. Directivity	dB	55
Max. Average Optical Power	W	3
Max. Peak Power for ns Pulse	kW	1
Fiber Type	-	SMF-28 Fiber
Operating Temperature	°C	- 40 to +105
Storage Temperature	°C	- 40 to +85

¹IL is 0.5 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

SMC-①-②②②②-③③-④-⑤-⑥-⑦

①: Configuration

4 - 1 × 4

②②②②: Wavelength

1550 - 1550 nm

③③: Coupling Ratio

25 - 25/25/25/25

④: Connector Type

1 - FC/UPC 4 - SC/APC

2 - FC/APC N - None

3 - SC/UPC S - Specify

⑤: Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

⑥: Fiber Length

1 - 1.0 m

S - Specify

⑦: Fiber Type

6 - Corning SMF-28