Advanced Fiber Resources (HK), Ltd.

1550nm Singlemode Coupler (SMC Series)

Description

Spec Review No.: SR18228

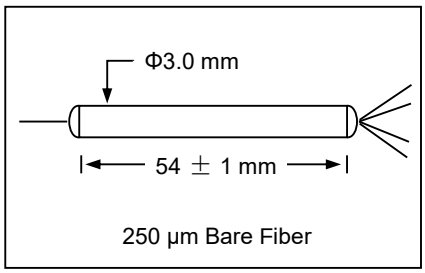
The Singlemode Coupler offers very low insertion loss, low polarization dependence and excellent enviromental stability. Accurate coupling ratio from 50/50 to 1/99 are available with very good uniformity in a wide wavelength range. These components find extensive applications to perform power splitting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

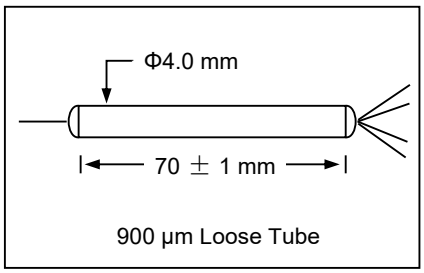
Specifications

Parameter	Unit	Value
Center Wavelength (λc)	nm	1550
Operating Wavelength	nm	λc ± 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/℃	≤ 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	℃	- 5 to + 70
Storage Temperature	℃	- 40 to + 85

[1]IL 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: Connetor Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
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