



Singlemode Coupler (High Reliability)

Key Features

- Low Excess Loss
- High Power Handling
- High Stability and Reliability

Applications

- Fixed Attenuation
- Testing Instruments
- Submarine Optical Fiber Communication

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	975
Operating Wavelength	nm	970-980
Max. PDL	dB	0.1
Max. Excess Loss	dB	0.15
Thermal Stability	dB/°C	≤ 0.005
Min. Return Loss	dB	50
Min. Directivity	dB	50
Max. Optical Power (Continuous Wave)	W	4
Fiber Type		Nufern 1060-XP 200 Kpsi
Operating Temperature	°C	0 to + 45
Storage Temperature	°C	- 40 to + 85

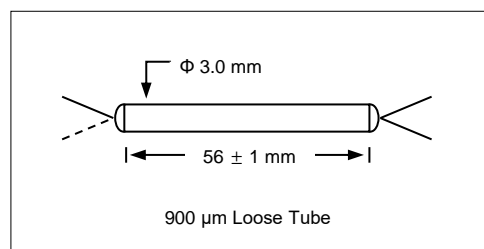
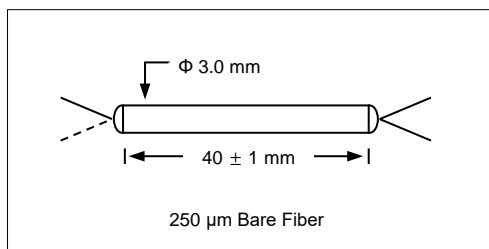
Coupling Ratio & Insertion Loss

Coupling Ratio	%	01/99	02/98	05/95	10/90	20/80	30/70	40/60	50/50
Max. Insertion Loss, λ_c	dB	21.7/0.2	18.4/0.2	13.8/0.4	10.6/0.6	7.6/1.2	5.7/1.8	4.4/2.6	3.4/3.4

¹IL is 0.5 dB higher, RL is 5 dB lower for each connector added. The Optical Power is 1 W only for connector added.

²Test at center wavelength only.

Package Dimensions



Ordering Information

SMC-①-②②②②-③③-④-⑤-⑥-⑦-SUB

①: Configuration	②②②②: Wavelength	③③: Coupling Ratio	④: Connector Type
1 - 1 x 2	1550 - 1550 nm	01 - 01/99 30 - 30/70	1 - FC/UPC 4 - SC/APC
2 - 2 x 2	SSSS - Specify	02 - 02/98 40 - 40/60	2 - FC/APC N - None
		05 - 05/95 50 - 50/50	3 - SC/UPC S - Specify
		10 - 10/90 SS - Specify	
⑤: Fiber Jacket	⑥: Fiber Length	⑦: Fiber Type	
B - 250 μ m Bare Fiber	Q - 0.75 m	N - Nufern 1060-XP 200 Kpsi	
L - 900 μ m Loose Tube	1 - 1m	S - Specify	