



1064 nm Singlemode Coupler (FUD-3584)

(GK-SMC Series)

● Description

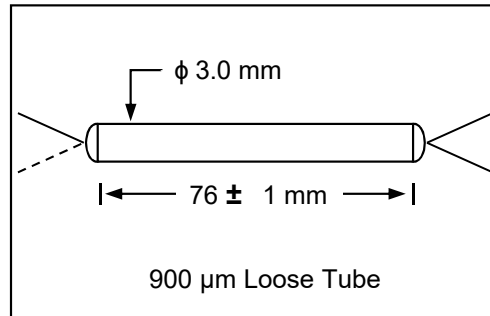
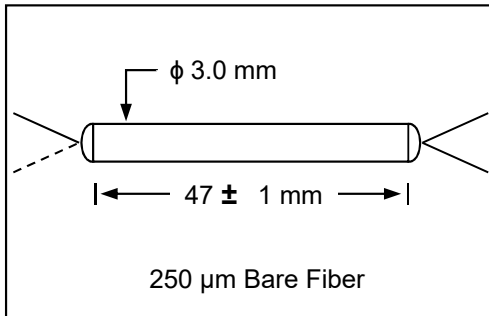
The Singlemode Coupler offers very low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99 are available with very good uniformity in a wide wavelength range. These components find extensive applications to perform power splitting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

● Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064
Operating Wavelength	nm	$\lambda_c \pm 10$
Coupling Ratio	%	01/99 02/98, 05/95, 10/90
Max. Insertion Loss	dB	22/0.3 18.5/0.35 14.5/0.5 11.5/0.75
Coupling Ratio	%	20/80 30/70 40/60 50/50
Max. Insertion Loss	dB	8.0/1.5 6.0/2.0 4.8/2.8 3.6/3.6
Max. PDL	dB	0.2
Max. Excess Loss	dB	0.3
Thermal Stability	dB/°C	≤ 0.005
Min. Return Loss	dB	50
Min. Directivity	dB	50
Max. Average Optical Power	W	10
Max. Peak Power for ns Pulse	kW	10
Fiber Type	-	Nufern, FUD-3584, LMA-GSF,10/125, 0.075
Operating Temperature	°C	- 5 to + 70
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

GK-SMC-①-②-③-④-⑤-⑥-⑦

①: Configuration

1 - 1 × 2
2 - 2 × 2

②: Wavelength

1064 - 1064 nm

③: Coupling Ratio

01 - 01/99 30 - 30/70
02 - 02/98 40 - 40/60
05 - 05/95 50 - 50/50
10 - 10/90 SS - Specify
20 - 20/80

④: Connector 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

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