



Singlemode Broadband Coupler (GK-SBC Series)

● Description

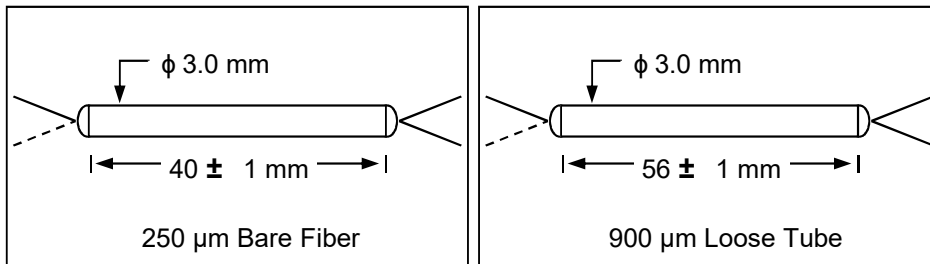
The Singlemode Broadband Coupler offers low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99 are available with very good uniformity in a wide wavelength range.

● Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	850, 1064, 1310
Operating Wavelength Range	nm	± 100 ± 100 ± 100
Coupling Ratio	%	2/98, 5/95, 10/90, 50/50, or specified
Coupling Ratio Tolerance (e.g. 50/50)	%	6 5 5
Max. Uniformity 50/50 Ratio	dB	1 0.5 0.5
Excess Loss	dB	0.25 0.15 0.15
Thermal Stability	dB/°C	≤ 0.002 over - 5 °C to + 70 °C
Min. Return Loss	dB	55
Min. Directivity 1 × 2 2 × 2	dB	55 60
Max. Optical Power (Continuous Wave)	mW	300
Fiber Type	-	HI 780CHI 1060 Flex SMF-28 Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

● Package Dimensions



● Ordering Information

GK-SBC-①-②-③-④-⑤-⑥

①: Configuration

1 - 1 × 2
2 - 2 × 2

②: Wavelength

31 - 1310 nm
55 - 1550 nm
SS - Specify

③: Coupling Ratio

01 - 01/99 20 - 20/80
02 - 02/98 30 - 30/70
03 - 03/97 40 - 40/60
05 - 05/95 50 - 50/50
10 - 10/90 SS - Specify

④: Connector Type

1 - FC/UPC 4 - SC/APC
2 - FC/APC N - None
3 - SC/UPC S - Specify

⑤: Fiber Jacke

B - 250 μm Bare Fiber
L - 900 μm Loose Tube
3 - 3 mm Cable
S - Specify

⑥: Fiber Length

1 - 1.0 m
S - Specify