



Singlemode Broadband Coupler (SBC Series)

Spec Review No.: SR17737 Date: May 31, 2018

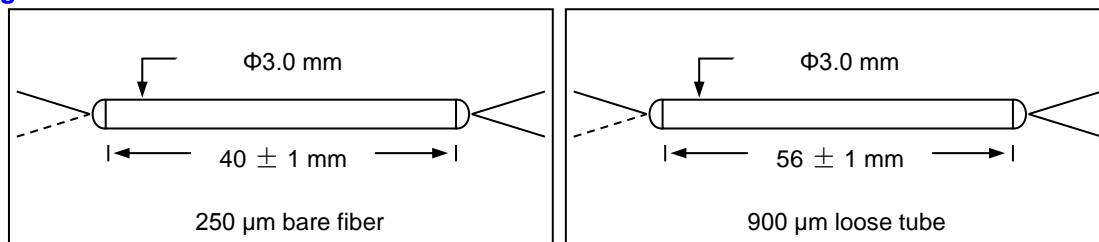
The Singlemode Broadband Coupler offers low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99 are available with very good uniformity in a wide wavelength range.

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	dB	55		
	1 x 2	55		
	2 x 2	60		
Max. Optical Power (Continuous Wave)	mW	300		
Fiber Type		HI780C	HI1060Flex	SMF-28 Fiber
Operating Temperature	°C	-5 to +70		
Storage Temperature	°C	-40 to +85		

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

Package Dimensions



Ordering Information

SBC-①-②②-③③-④-⑤-⑥

①: Configuration	②②: Wavelength	③③: Coupling Ratio	④: Connector Type
1 - 1 x 2	31 - 1310 nm	01 - 01/99 20 - 20/80	1 - FC/UPC
2 - 2 x 2	55 - 1550 nm	02 - 02/98 30 - 30/70	2 - FC/APC
	SS - Specify	03 - 03/97 40 - 40/60	3 - SC/UPC
		05 - 05/95 50 - 50/50	4 - SC/APC
		10 - 10/90 SS - Specify	N - None
⑤: Fiber Jacket	⑥: Fiber Length		S - Specify
B - 250 μm bare fiber	1 - 1.0 m		
L - 900 μm loose tube	S - Specify		
3 - 3 mm cable			
S - Specify			

