



## Singlemode Broadband Coupler (SBC Series)

Spec Review No.: SR17737

### Description

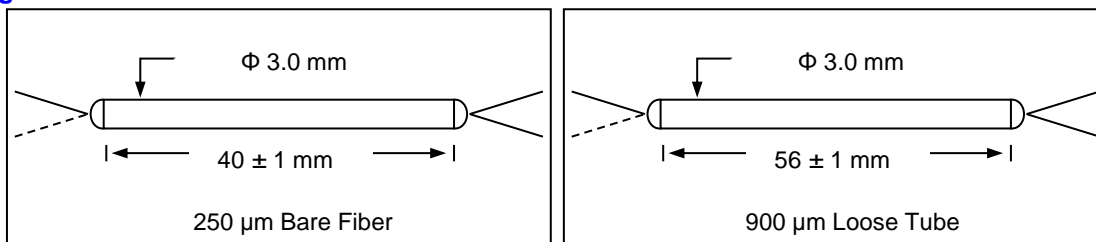
The Singlemode Broadband Coupler offers low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99 are available with very good uniformity in a wide wavelength range.

### Specifications

Parameter	Unit	Value		
Center Wavelength ( $\lambda_c$ )	nm	850	1064	1310
Operating Wavelength Range	nm	$\pm 100$	$\pm 100$	$\pm 100$
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	$\leq 0.002$ over -5 °C to +70 °C		
Min. Return Loss	dB	55		
Min. Directivity 1 x 2	dB	55		
2 x 2	dB	60		
Max. Optical Power (Continuous Wave)	mW	300		
Fiber Type	-	HI 780C	HI 1060 Flex	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			