



Single Mode Broadband Monolithic Couplers (SBMC series)

The Monolithic Single Mode Broadband Couplers are based on BTF technology. They offer very low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio are very uniformity in a wide wavelength range. These components find extensive application to perform power splitting, combining optical signals and monitoring functions in all kinds of optical communication systems, fiberoptics research and fiber sensors.



Specifications

Parameter	Unit	Values
Grade		P
Operating Wavelength	nm	1550
Bandwidth	nm	+/-40
Coupling Ratio	%	33.3/33.3/33.4
Max. Insertion Loss	dB	5.6/5.6/5.6
Max. PDL (tap/through port)	dB	0.3/0.3/0.3
Uniformity	1x3/3x3	1.2/1.6
Thermal Stability	dB/	≤ 0.002dB/ over -5 °C to +70 °C
Directivity	1X3	≥ 55 dB
Fiber length		1 meter, others on request
Fiber type		Corning SMF-28
Package Dimensions		250um bare fiber and dia. 3.0 mm X 55 mm
Operating Temperature		-5 °C to +70 °C

*The above specification is for coupler without connector

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

Ordering information

SBMC- - - - -

:Port	:Connetor Type	:Fiber Length
1-1x3	1 - FC/UPC	1-1m
2-3x3	2 - ST/UPC	S-Specify
	3 - LC/UPC	
: Wavelength	4 - FC/APC	: Fiber Option
55-1550	5 - SC/APC	F-corning SMF-28 fiber
SS-Specify	6 - SC/UPC	S-Specify
	N - None	
: Coupling Ratio	S - Specify	
33-33.3/33.3/33.4		
	:Fiber type	
: Grade	B-250um bare fiber	
P-P grade		
S-Specify		