



## Single Mode Wideband Star Coupler Module SBSC-NxN (SBSC Series)

The SBSC Single Mode Broadband Star Couplers are based on BTF technology. They offer very low insertion loss, low polarization dependence, well controlled uniformity in a wide wavelength range as well as excellent environmental stability. These modules have been extensively used to split and mix optical signals in CATV, LANs and all other kinds of optical communication systems.



### Specifications

Parameters	Unit	Values			
Configuration		4x4	8x8	16x16	32x32
Grade		P			
Operating Wavelength	nm	1310 or 1550			
Bandwidth	nm	±40			
Max. Insertion Loss	dB	6.7	10.0	13.4	16.8
Max. PDL	dB	0.2	0.3	0.4	0.5
Max. Uniformity	dB	1.2	1.8	2.4	3.0
Directivity	dB	50			
Fiber type		Corning SMF-28			
Operating Temperature		-5 °C to +70 °C			

\*The above specification is for module without connector

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

### Ordering Information

#### SBSC-

0404 - 4x4	: Port	P - P grade	: Grade	1 - FC/UPC	: Connector Type
0808 - 8x8		S - Specify		2 - ST/UPC	: Fiber Length
1616 - 16x16				3 - LC/UPC	H - 0.5m
3232 - 32x32				4 - FC/APC	S - Specify
				5 - SC/APC	
				6 - SC/UPC	
	: Wavelength	A - 100mmx80mmx7mm(For Nx4)	: Package Dimensions	N - None	
	31 - 1310nm	B - 120mmx96mmx15mm(For NX8)		S - Specify	
	55 - 1550nm	C - 140mmx116mmx18mm(For Nx16,Nx32)			
	SS - Specify	D - LGX compatible			
		S - Specify		: Fiber Type	
	: Coupling ratio			L - 900um loose tube	
	BA - Balance			C - 3mm loose tube	
	01 - 1% Tap/Balance				
	05 - 5% Tap/Balance				
	SS - Specify				