



# Single Mode Wideband Tree Coupler Module SBTC-MxN(M: 1 or 2) (SBTC Series)

The SBTC Single Mode Broadband Tree 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		1 or 2 x4	1 or 2 x8	1 or 2 X16	1 or 2 X32
Grade		P			
Operating Wavelength	nm	1310 or 1550			
Bandwidth	nm	±40			
Max. Insertion Loss	dB	6.7	10.0	13.3	16.6
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			
Package Dimensions		A: 100mm×70mm×7mm(for 1,2X4 module) B:120mm×80mm×12mm(1,2X8 module) C: 140mm×110mm×14mm(For 1,2x16, 1,2x32 module) D: LGX compatible			
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

### SBTC-

: Port	: Grade	: Connector Type	: Fiber Length
0104 - 1x4	P - P grade	1 - FC/UPC	H - 0.5m
0108 - 1x8	S - Specify	2 - ST/UPC	S - Specify
0116 - 1x16		3 - LC/UPC	
0132 - 1x32		4 - FC/APC	
		5 - SC/APC	
		6 - SC/UPC	
: Wavelength	: Package Dimensions	N - None	
31 - 1310nm	A - 100mm×70mm×7mm(For 1,2x4)	S - Specify	
55 - 1550nm	B - 120mm×80mm×12mm(For 1,2X8)		
SS - Specify	C - 140mm×110mm×14mm(For 1,2x16,1,2x32)		
	D - LGX compatible	: Fiber Type	
:Coupling ratio	S - Specify	L - 900um loose tube	
BA - Balance		C - 3mm loose cable	
01 - 1% Tap/Balance			
05 - 5% Tap/Balance			
SS- Specify			