

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

## Features

Wide Bandwidth and Low Insertion  
Low Insertion Loss  
High Quality and Reliability

## Applications

Fiber Distribution Network  
CATV Network  
Test Equipment

## Specifications

Parameters	Unit	Values			
Configuration		1 or 2 x 4	1 or 2 x 8	1 or 2 x 16	1 or 2 x 32
Center Wavelength	nm	1310 or 1550			
Operating Wavelength Range	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
Min. Directivity	dB	50			
Package Dimensions		106mmX79mmX10mm (for 1, 2x4)			
		125mmX96mmX15mm (for 1, 2x8)			
		145mmX116mmX18mm(for 1, 2x16, 1, 2x32)			
		LGX compatible			
Max. Optical Power (CW)	mW	500			
Max. Tensile Load	N	5			
Fiber Type		SMF-28e Fiber			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to + 85			

\*The above specifications are for module without connector.

\*For Module with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

## Ordering Information

**SBTC-①①-②②②②-③③-④④-⑤⑤-⑥-⑦**

①①: Wavelength

31 - 1310nm

55 - 1550nm

SS - Specify

②②②②: Port

0104 - 1x4

0108 - 1x8

0116 - 1x16

0132 - 1x32

0204 - 2x4

0208 - 2x8

0216 - 2x16

0232 - 2x32

③③: Coupling Ratio

01 - 1/99

05 - 5/95

10 - 10/90

50 - 50/50

SS - Specify

④④: Connector Type on Port 1 & 2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2

L - 900um Loose Tube

C - 3mm Loose Cable

S - Specify

⑥: Fiber Length

0.5 - 0.5m

S - Specify

⑦: Package Dimensions

A - 106mmx79mmx10mm (for 1,2x4)

B - 125mmx96mmx15mm (for 1,2x8)

C - 145mmx116mmx18mm (for 1,2x16,1,2x32)

D - LGX Compatible

S - Specify