



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

The SDTC 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 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 and 1550			
Bandwidth	nm	±40			
Max. Insertion Loss	dB	7.0	10.5	14.0	17.5
Max. PDL	dB	0.3	0.45	0.6	0.8
Max. Uniformity	dB	1.6	2.4	3.2	4.0
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

**SDTC-** - - - - -

: Port		: Grade	: Connector Type	: Fiber Length
0104 - 1x4	0204 - 2x4	P - P grade	1 - FC/UPC	H - 0.5m
0108 - 1x8	0208 - 2x8	S - Specify	2 - ST/UPC	S - Specify
0116 - 1x16	0216 - 2x16		3 - LC/UPC	
0132 - 1x32	0232 - 2x32		4 - FC/APC	
			5 - SC/APC	
			6 - SC/UPC	
: Wavelength		: Package Dimensions	N - None	
3155 - 1310&1550		A - 100mm×70mm×7mm(For 1,2x4)	S - Specify	
		B - 120mm×80mm×12mm(For 1,2X8)		
		C - 140mm×110mm×14mm(For 1,2x16,1,2x32)		
: Coupling Ratio		: Fiber Type		
BA - Balance		D - LGX compatible	L - 900um loose tube	
01 - 1% Tap/Balance		S - Specify	C - 3mm loose cable	
05 - 5% Tap/Balance				
SS - Specify				