



# Single Mode Dual Window Wideband Tree Coupler Module SDTC-MxN(M: 1 or 2)<sup>9</sup> (SDTC Series)

The SDTC Single Mode Broadband Tree Couplers 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 × 4	1 or 2 × 8	1 or 2 × 16	1 or 2 × 32
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
Min Directivity	dB	50			
Fiber Type		SMF-28 Fiber			
Package Dimensions		A: 106mm×79mm×10mm(for 1,2X4 module) B: 125mm×96mm×15mm(1,2X8 module) C: 145mm×116mm×18mm(For 1,2x16, 1,2x32 module) D: LGX compatible			
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, RL will be 5dB lower.

## Ordering information

**SDTC-①①①①-②②②②-③③-④-⑤-⑥-⑦-⑧**

①①①① : Port

0104 - 1×4      0204 - 2×4  
 0108 - 1×8      0208 - 2×8  
 0116 - 1×16     0216 - 2×16  
 0132 - 1×32     0232 - 2×32

④: Grade  
 P - P grade  
 S - Specify

⑥ : Connector Type  
 1 - FC/UPC  
 2 - FC/APC  
 3 - SC/UPC  
 4 - SC/APC  
 5 - LC/UPC  
 6 - ST/UPC

⑧: Fiber Length  
 H - 0.5m  
 S - Specify

②②②② : Wavelength  
 3155 - 1310&1550nm

⑤ : Package Dimensions  
 A - 106mm×79mm×10mm(For 1,2x4)  
 B - 125mm×96mm×15mm(For 1,2X8)  
 C - 145mm×116mm×18mm(For 1,2x16,1,2x32)

N - None  
 S - Specify

③③ : Coupling Ratio  
 BA - Balance  
 01 - 1% Tap/Balance  
 05 - 5% Tap/Balance  
 SS - Specify

S - Specify

⑦: Fiber Type  
 L - 900um loose tube  
 C - 3mm loose cable