

Single Mode Dual Window Tree Coupler Module SDTC - M × N (DL-SDTC-TTTT-UUUU-VV-W-X-Y-Z)

SDTC Single Mode Dual Window Tree Coupler Modules has very low insertion loss, low polarization dependence, well controlled uniformity in a wide wavelength range and excellent environmental stability. These modules can be used to split and mix optical signals in CATV, LANs and other kinds of optical communication systems.

A. Specifications

Parameter	Value				Unit
	1 or 2 × 4	1 or 2 × 8	1 or 2 × 16	1 or 2 × 32	
Configuration	1 or 2 × 4	1 or 2 × 8	1 or 2 × 16	1 or 2 × 32	
Operating Wavelength	1310 & 1550 or Specify				nm
Bandwidth	± 40				nm
Max. Insertion Loss	7.0	10.7	14.5	17.8	dB
Max. Polarization Dependent Loss	0.2	0.3	0.4	0.5	dB
Max. Uniformity	1.6	2.4	3.2	4.0	dB
Thermal Stability	0.2	0.3	0.4	0.5	dB
Min. Return Loss	50				dB
Directivity	60				dB
Max. Optical Power (Continuous Wave)	300				mW
Operating Temperature	-5 to +70				°C
Storage Temperature	-40 to +85				°C

*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

B. Ordering Information

DL-SDTC-TTTT-UUUU-VV-W-X-Y-Z

TTTT: Configuration

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

UUUU: Wavelength

3155 - 1310 & 1550 nm
 SSSS - Specify

V V: Coupling Ratio

BA - Balance
 01 - 1% Tap/Balance
 05 - 5% Tap/Balance
 SS - Specify

W: Package Dimensions

A - 106 × 79 × 10 mm (for 1, 2 × 4)
 B - 125 × 96 × 15 mm (for 1, 2 × 8)
 C - 145 × 116 × 18 mm (for 1, 2 × 16; 1, 2 × 32)
 S - Specify

X: Connector Type

1 - FC/UPC
 2 - FC/APC
 3 - SC/UPC
 4 - SC/APC
 N - None
 S - Specify

Y: Fiber Type (SMF-28)

L - 900 μm loose tube
 C - 3 mm cable

Z: Fiber Length

H - 0.5 m
 S - Specify