



Singlemode Dual Window Tree Coupler Module SDTC - M x N (SDTC Series)

Rev 11

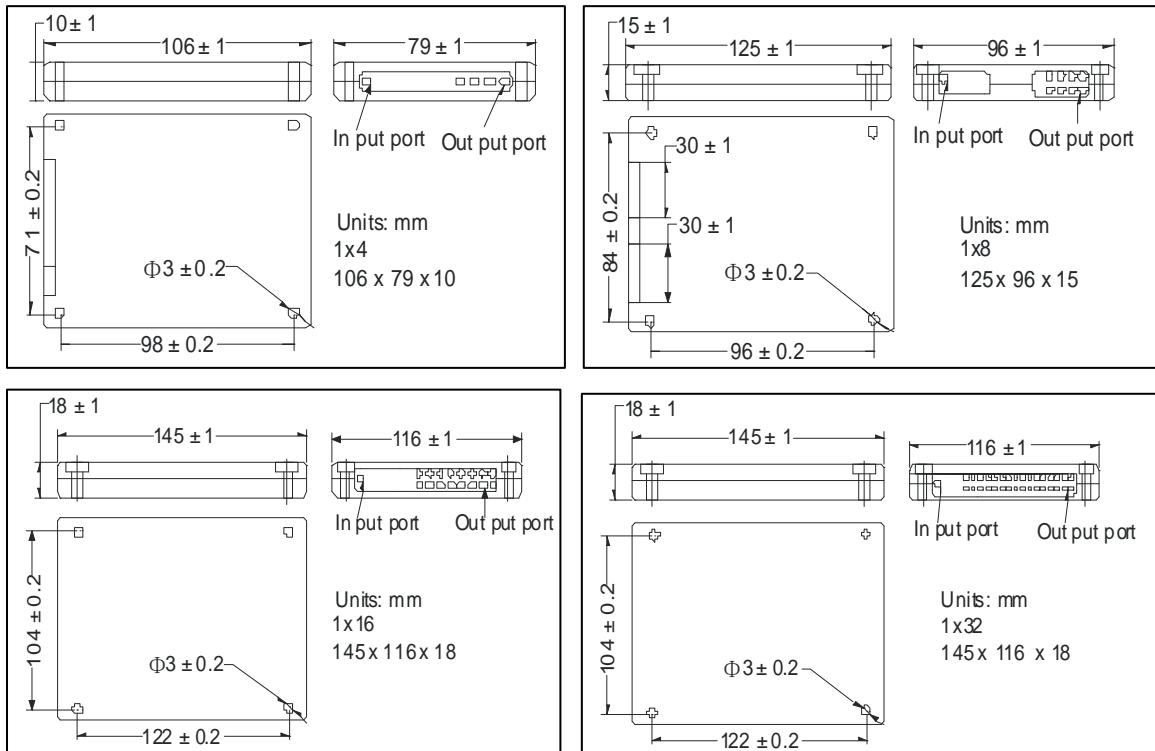
The Singlemode Dual Window Tree Coupler Modules offer very low insertion loss, low polarization dependence, well controlled uniformity in a wide wavelength range as excellent environmental stability. These modules have been extensively used to split and mix optical signals in CATV, LANs and other kinds of optical communication systems.

Specifications

Parameter	Unit	Value			
Configuration		1 or 2 x 4	1 or 2 x 8	1 or 2 x 16	1 or 2 x 32
Operating Wavelength	nm	1310 & 1550 or Specify			
Bandwidth	nm	± 40			
Max. Insertion Loss	dB	7.0	10.7	14.5	17.8
Max. Polarization Dependent Loss	dB	0.2	0.3	0.4	0.5
Max. Uniformity	dB	1.6	2.4	3.2	4.0
Thermal Stability	dB	0.2	0.3	0.4	0.5
Min. Return Loss	dB	50			
Directivity	dB	60			
Max. Optical Power (Continuous Wave)	mW	300			
Fiber Type		SMF-28 fiber			
Package Dimensions	mm	A: 106 x 79 x 10 mm (for 1, 2 x 4 module) B: 125 x 96 x 15 mm (for 1, 2 x 8 module) C: 145 x 116 x 18 mm (for 1, 2 x 16; 1, 2 x 32 module)			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to +85			

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

Package Dimensions



Ordering Information

SDTC-①①①①-②②②②-③③-④-⑤-⑥-⑦

①①①①: 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

②②②②: Wavelength

3155 - 1310 & 1550 nm
SSSS - Specify

③③: Coupling Ratio

EV - Evenly Splitted
SS - Specify

④: 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

⑤: Connector Type

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

⑥: Fiber Jacket

L - 900 μm loose tube
C - 3 mm cable

⑦: Fiber Length

H - 0.5 m
S - Specify