



## Tree and Star Dual Window Coupler Module (SDWC)



### Overview:

1xN and MxN coupler splitter modules are cascaded with the single mode couplers. These modules are widely used for FTTH, LAN, and CATV optical networks

### Features:

- \* Low excess loss
- \* Low PDL
- \* Dual operating window
- \* High stability and reliability

### Applications:

- \* Optical fiber communication systems
- \* LAN
- \* CATV
- \* FTTH

**Specification:**

Parameter	Type	N x 4		N x 8		N x 16		N x 32	
		N=1, 2, 4		N=1, 2, 8		N=1, 2		N=1, 2	
Operating wavelength (nm)		1310 and 1550							
Operating bandwidth (nm)		± 40							
Grade		P	A	P	A	P	A	P	A
Insertion loss (dB)		<7.2	<7.6	<10.0	<11.4	<14.4	<15.2	<18.0	<19.0
Typical excess loss (dB)		0.3		0.45		0.6		0.75	
PDL (dB)		≤ 0.3		≤ 0.4		≤ 0.5		≤ 0.6	
Directivity (dB)		> 55							
Operating temperature (°C)		- 40 ~ +85							
Fiber lead length		1 meter, others on request							
Fiber type		900 μm, 2mm, 3mm loose tube							
Dimensions (L×W×H) (mm)		100 × 80 × 10		100 × 80 × 10		125 × 96 × 16		180 × 100 × 18	

\*The above specification is without connector.

\*Other specifications can be made on customer request.

**Ordering Information:**

SDWC-X-XXX-XXX--XX/XX-X--X--XX/XXX--XX\*XX

