



## Tree and Star Three Window Coupler Module (STWC)



### Overview:

These 1xN and MxN coupler splitter modules are designed for the PON tri-play network system. They work at 1310, 1490, 1550nm wavelength communication windows.

### Features:

- \* Three operating windows
- \* Low excess loss
- \* Low PDL
- \* High stability and reliability

### Applications:

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

**Specification:**

Parameter \ Type	N x 4 N=1, 2, 4		N x 8 N=1, 2, 8		N x 16 N=1, 2		N x 32 N=1, 2	
	Operating wavelength (nm)	1310, 1490 and 1550 three windows						
Operating bandwidth (nm)	1310±40, 1490±10 & 1550±40							
Grade	P	A	P	A	P	A	P	A
Insertion loss (dB)	<7.2	<7.6	<10.8	<11.4	<14.4	<15.2	<18.0	<19.0
Typical excess loss (dB)	0.8		0.45		0.6		0.75	
PDL (dB)	≤0.8		≤0.4		≤0.5		≤0.6	
Directivity (dB)	> 55							
Operating temperature (°C)	- 40 ~ +85							
Fiber lead length	1 meter, others on request							
Fiber type	900μm, 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:**

STWC-X-XXX-XXX-XX/XX-X-X-XX/XXX-XX\*XX

