

# 1×N(2×N) Single Mode Coupler Module

## Description

1×N (2×N) coupler splitter modules are cascaded with the single mode couplers. These modules are widely used for FTTH, LAN, and CATV optical networks.



## Specifications

Parameter \ Type	Standard Coupler Module (SSSC); Wide Band Coupler Module (SWBC)															
	N×4 N=1, 2		N×6 N=1,2		N×8 N=1, 2		N×12 N=1,2		N×16 N=1, 2		N×24 N=1, 2		N×32 N=1, 2		N×64 N=1, 2	
Operating wavelength (nm)	1310 or 1550, others on request															
Operating bandwidth (nm)	SSSC: ±15; SWBC: ±40															
Grade	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A
Insertion loss (dB)	≤6.9	≤7.3	≤9.0	≤9.6	≤10.4	≤11.0	≤12.4	≤13.2	≤13.8	≤14.6	≤15.8	≤16.8	≤17.4	≤18.4	≤20.9	≤22.1
Typical excess loss (dB)	0.25		0.3		0.4		0.5		0.55		0.6		0.7		0.85	
PDL (dB)	≤0.25		≤0.35		≤0.35		≤0.45		≤0.45		≤0.55		≤0.55		≤0.65	
Operating temperature (°C)	-40 ~ +85															
Fiber lead length	1 meter, others on request															
Fiber type	900µm, 2mm, 3mm loose tube															
ABS Box Dimensions(L×W×H) (mm)	100×80×10		100×80×10		100×80×10		125×96×16		125×96×16		141×115×18		141×115×18		On request	

Parameter \ Type	Dual Window Coupler Module (SDWC); Three-Window Coupler Module (STWC)															
	N×4 N=1, 2		N×6 N=1,2		N×8 N=1, 2		N×12 N=1,2		N×16 N=1, 2		N×24 N=1, 2		N×32 N=1, 2		N×64 N=1, 2	
Operating wavelength (nm)	SDWC: 1310 and 1550; STWC:1310,1490 and 1550															
Operating bandwidth (nm)	SDWC: ±40; STWC:1310 ±40,1490 ±10 and 1550 ±40															
Grade	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A
Insertion loss (dB)	≤7.2	≤7.6	≤9.6	≤10.2	≤10.8	≤11.4	≤13.2	≤14.0	≤14.4	≤15.2	≤16.8	≤17.8	≤18.0	≤19.0	≤21.6	≤22.8
Typical excess loss (dB)	0.3		0.4		0.45		0.55		0.6		0.7		0.75		0.9	
PDL (dB)	≤0.3		≤0.4		≤0.4		≤0.5		≤0.5		≤0.6		≤0.6		≤0.7	

Operating temperature (°C)	-40 ~ +85							
Fiber lead length	1 meter, others on request							
Fiber type	900μm, 2mm, 3mm loose tube							
ABS Box Dimensions(L×W×H) (mm)	100×80×10	100×80×10	100×80×10	125×96×16	125×96×16	141×115×18	141×115×18	On request

Configuration	19 Inch Rack			LGX Box	
	1U	2U	3U	1U	2U
Package Dimensions (mm)	482.6×278×44	482.6×278×88	482.6×278×132	130×127×29	130×127×58
Installation Dimensions (mm)	462.7×11.0(4-Φ6)	462.7×27.5(6-Φ6)	462.7×49.5(6-Φ6)	118(2-Φ6)	118×29.2(2-Φ6)

\* The above specification is without connector.

\*\*Other specifications can be made on customer request

### Ordering Information

XXXX-X-XXX-XXX-XX/XX-X-X-XX/XXX-XX\*XX\*XX

