

SM Coupler Module

Descriptions

Anylink provides 1xN (2xN) coupler splitter modules, which are cascaded with the single mode couplers. These modules are widely used for FTTH, LAN, and CATV optical networks, Compliant with TelcordiaGR1209 & TelcordiaGR1221

Features

- ▶ Low Excess Loss
- ▶ Excellent stability and reliability

Applications

- ▶ FTTH Systems
- ▶ LAN, WAN and Metro Networks
- ▶ CATV Networks
- ▶ Fiber Optic Instruments



Specifications

Parameter	Standard Coupler Module (SSSCM); Wide Band Coupler Module (SWBCM)							
	Nx4	Nx6	Nx8	Nx12	Nx16	Nx24	Nx32	Nx64
	N=1,2							
Operating Wavelength(nm)	1310 or 1550, Others							
Operating Bandwidth(nm)	SSSCM: ± 15 ; SWBCM: ± 40							
Insertion Loss(dB)	≤ 6.9	≤ 9.0	≤ 10.4	≤ 12.4	≤ 13.8	≤ 15.8	≤ 17.4	≤ 20.9
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($^{\circ}\text{C}$)	-40-85							
Fiber Length	1.00 \pm 0.10m, Others							
Package (LxWxH) (mm)	100x80x10	100x80x10	100x80x10	125x96x16	125x96x16	141x115x18	141x115x18	Others

Parameter	Dual Window Coupler Module (SDWCM); Three-Window Coupler Module (STWCM)							
	Nx4	Nx6	Nx8	Nx12	Nx16	Nx24	Nx32	Nx64
	N=1,2							
Operating Wavelength(nm)	SDWCM: 1310 and 1550; STWCM:1310,1490 and 1550							
Operating Bandwidth(nm)	SDWCM: ± 40 ; STWCM:1310 ± 40 ,1490 ± 10 and 1550 ± 40							
Insertion Loss(dB)	≤ 7.2	≤ 9.6	≤ 10.8	≤ 13.2	≤ 14.4	≤ 16.8	≤ 18	≤ 21.6

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 Length	1.00±0.10m, Others							
Package (LxWxH) (mm)	100x80x10	100x80x10	100x80x10	125x96x16	125x96x16	141x115x18	141x115x18	Others

Configuration	LGX		19 Inch Rack		
	1U	2U	1U	2U	3U
Package Dimensions (mm)	130x127x29	130x127x58	482.6x278x44	482.6x278x88	482.6x278x132
Installation Dimensions (mm)	118(2-Φ6)	118x29.2(2-Φ6)	462.7x11.0(4-Φ6)	462.7x27.5(6-Φ6)	462.7x49.5(6-Φ6)

Remark: Above specifications are for device without connector.

Ordering Information

XXXXX-A-B-C-D-E-F-G-H-I		
SSSCM, SWBCM, SDWCM, STWCM.		
A	Grade	P=Premium Grade, A=Average Grade, O=Others
B	Configuration	1x4, 1x8, 1x16, 1x32, etc
C	Operating Wavelength	1310nm, 1550nm, 1310&1550nm etc.
D	Coupling Ratio	EVEN
E	Pigtail Type	B=250um bare fiber, 0.9=0.9mm loose tube, 2.0= 2.0mm loose tube, 3.0=3.0mm loose tube etc
F	Fiber Type	SMF-28e ClearCurve® XB, ofs-16, ofs-20, HI 1060, HI 1060Flex, others
G	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
H	Package Size	100x80x10mm, 141x115x18mm, etc.
I	Fiber length	005=0.5m, 010=1.0m, etc
For example: SSSCM-P-1x4-1550-EVEN-0.9- SMF-28e - SC/UPCx5 -100x80x10-010		