

OCM

Modular Wideband Couplers/Splitters



Single mode wideband couplers/splitters are passive optical devices that split and combine light in fiber networks. The OCM modular packaging provides a robust and simple method for integrating these devices into your network.

A wide selection of split ratios and connector types ensure long lasting compatibility. These components are intended for indoor use or in weather proof enclosures that have or exceed an IP65, NEMA 4x sealing rating

ADVANTAGES

- Reliable performance
- Low loss
- Low polarization sensitivity
- Excellent mechanical protection
- Fast and simple installation
- Available in most connector types
- Different types of housings allow for high density
- LGX compatible footprint
- Housing sizes vary depending on split ratio providing optimal utilization of space

APPLICATIONS

- Telephony
- CATV
- Central office/headend
- LAN
- Network monitoring and testing

The splitter components are based on FBT (fused bioconic tapered) technology for low split ratios. For higher split ratios, planar waveguide technology is used.

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Type _____

1 - LGX modular 1.1" (29mm) wide
 2 - LGX modular 2.3" (58mm) wide
 3 - LGX modular 3.4" (87mm) wide

Grade _____

A - Standard
 P - Planar technology
 O - Low loss planar technology

Number of Integrated Splitters _____

Attention: the maximum number of integrated splitters is for each configuration (LGX modular type, connector type, splitter and splitter grade) indicated in the table below.

Connector Type

S1 - SC/UPC F1 - FC/UPC
 S2 - SC/APC 8° F2 - FC/APC
 S3 - SC/APC 9° E9 - E2000
 L1 - LC/UPC U1 - MU/UPC
 L2 - LC/APC

Split Ratio

00 - symmetrical 25 - 25/75*
 05 - 5/95* 30 - 30/70*
 10 - 10/90* 35 - 35/65*
 15 - 15/85* 40 - 40/60*
 20 - 20/80* 45 - 45/55*
 *for 1x2 only

Number of Outputs per Splitter

2, 3, 4, 5, 6, 8, A (10), C (12), G (16)

Number of Inputs per Splitter

1, 2

Type	1				2				3			
	STD		SFF ¹		STD		SFF ¹		STD		SFF ¹	
	A	P/O	A	P/O	A	P/O	A	P/O	A	P/O	A	P/O
1x2	2	-	4	-	4	-	8	-	6	-	12	-
2x2	1	-	3	-	3	-	6	-	4	-	9	-
1x3	1	-	3	-	3	-	6	-	4	-	7	-
1x4	1	call	2	call	2	call	4	call	3	call	5	call
2x4	1	call	2	call	2	call	4	call	3	call	5	call
1x5	1	-	2	-	2	-	4	-	3	-	4	-
1x6	-	-	1	-	1	-	3	-	2	-	3	-
2x6	-	-	1	-	1	-	3	-	2	-	3	-
1x8	-	-	1	call	1	call	2	call	2	call	2	call
2x8	-	-	1	call	1	call	2	call	1	call	2	call
1x10	-	-	1	-	1	-	2	-	1	-	1	-
2x10	-	-	1	-	1	-	2	-	1	-	1	-
1x12	-	-	-	-	-	-	1	-	1	-	1	-
2x12	-	-	-	-	-	-	1	-	1	-	1	-
1x16	-	-	-	-	-	-	1	call	1	call	1	call
2x16	-	-	-	-	-	-	1	call	1	call	1	call

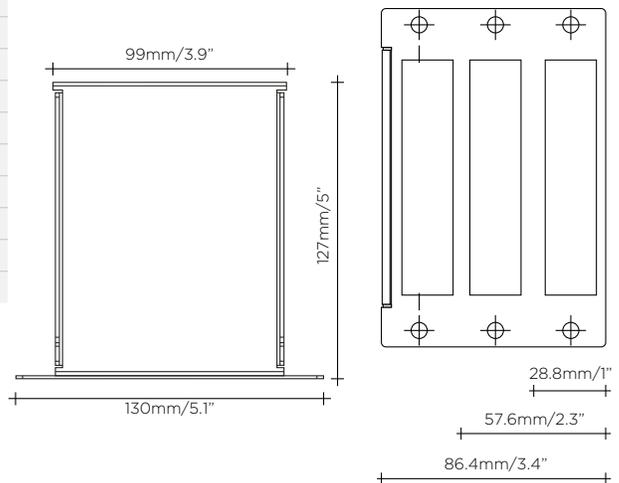
¹Small-form-factor connectors (LC, MU)

Example:

OCM1-SA11200S2: module type 1, 1 splitter 1x2 with SC/APC connectors, symmetrical

Performance Specifications

Performance refer to RUD5257 (grade A) and RUD 5330 (grade P and O)



DATA SHEET

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