

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 housing allow for high density
- LGX compatible footprint
- Housing sizes varies depending on split ratio providing optimal utilization of space

Applications

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

The splitter components are based on FBT (fused biconic tapered) technology for low split ratio's. For higher split ratio's, planar waveguide technology is used.

Ordering information

OCM X - S X X X X XX XX

Type

- 1 LGX module 29 mm (1.1") wide
- 2 LGX module 58 mm (2.3") wide
- 3 LGX module 87 mm (3.4") 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 module type, connector type, splitter and splitter grade) indicated in the table underneath.

Type	1				2				3			
Connector	STD	SFF(1)		STD	SFF(1)		STD	SFF(1)		STD	SFF(1)	
Grade	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	☎	2	☎	2	☎	4	☎	3	☎	5	☎
2x4	1	☎	2	☎	2	☎	4	☎	3	☎	5	☎
1x5	1	-	2	-	2	-	4	-	3	-	4	-
1x6	-	-	1	-	1	-	3	-	2	-	3	-
2x6	-	-	1	-	1	-	3	-	2	-	3	-
1x8	-	-	1	☎	1	☎	2	☎	2	☎	2	☎
2x8	-	-	1	☎	1	☎	2	☎	1	☎	2	☎
1x10	-	-	1	-	1	-	2	-	1	-	1	-
2x10	-	-	1	-	1	-	2	-	1	-	1	-
1x12	-	-	-	-	-	-	1	-	1	-	1	-
2x12	-	-	-	-	-	-	1	-	1	-	1	-
1x16	-	-	-	-	-	-	-	1	-	1	-	2
2x16	-	-	-	-	-	-	-	1	-	1	-	2

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

Example

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

Performance specifications

Please refer to RUD 5257 (grade A) and RUD 5330 (grade P and O).

Connector type

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

Split ratio

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

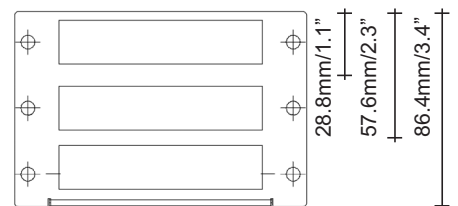
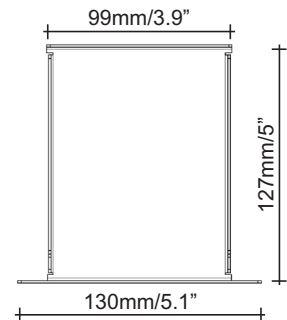
Number of outputs per splitter

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

Number of inputs per splitter

- 1
- 2

Dimensions



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