

Modular Wideband Coupler/Splitters

TELECOM OUTSIDE PLANT

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. These components are standard placed in the "TOAST" protective sealing to ensure a correct operation in outside plant conditions.



OCM

OCM

Ordering information

OCM **X** - S **A** **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

Connector type

- S1** SC/UPC **S2** SC/APC 8°
- S3** SC/APC 9° **F1** FC/UPC
- F2** FC/APC **E2** E2000
- L1** LC/UPC **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, 2x2 only

of outputs

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

of inputs

- 1**
- 2**

Number of integrated splitters

Type	1				2				3			
	STD grade		SFF(1) grade		STD grade		SFF(1) grade		STD grade		SFF(1) grade	
	A	P	A	P	A	P	A	P	A	P	A	P
1x2	2	-	4	-	4	-	8	-	6	-	TBD	-
2x2	1	-	3	-	3	-	6	-	4	-	TBD	-
1x3	1	-	3	-	3	-	6	-	4	-	TBD	-
1x4	1	CALL	2	CALL	2	CALL	4	CALL	3	CALL	TBD	CALL
2x4	1	CALL	2	CALL	2	CALL	4	CALL	3	CALL	TBD	CALL
1x5	1	-	2	-	2	-	4	-	3	-	TBD	-
1x6	-	-	1	-	1	-	3	-	2	-	TBD	-
2x6	-	-	1	-	1	-	3	-	2	-	TBD	-
1x8	-	-	1	CALL	1	CALL	2	CALL	2	CALL	TBD	CALL
2x8	-	-	1	CALL	1	CALL	2	CALL	1	CALL	TBD	CALL
1x10	-	-	1	-	1	-	2	-	1	-	TBD	-
2x10	-	-	1	-	1	-	2	-	1	-	TBD	-
1x12	-	-	-	-	-	-	1	-	1	-	TBD	-
2x12	-	-	-	-	-	-	1	-	1	-	TBD	-
1x16	-	-	-	-	-	-	1	CALL	1	CALL	TBD	CALL
2x16	-	-	-	-	-	-	1	CALL	1	CALL	TBD	CALL

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

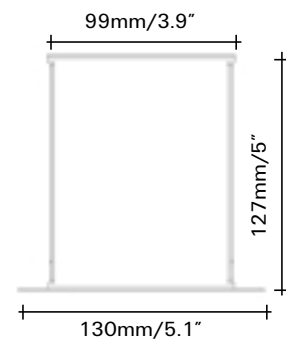
Example

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

Performance specifications

Please refer to RUD5257.

Dimensions



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