

OCM1(LGX)

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.

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.

Features

- 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

Ordering information

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Type

- 1 LGX module 29 mm (1.1") wide
- 3 LGX module 87 mm (3.4") wide
- F High density module 16 mm (0.6") wide (*)

(*) Requires TE customized shelf for installation

Number of integrated splitters

Splitter	OCM1		OCM3		OCMF	
	SC	LC	SC	LC	SC	LC
1x2	3	6	-	-	2	4
2x2	2	4	-	-	1	3
1x4	2	4	-	-	1	2
2x4	1	3	-	-	1	2
Nx8	1	2	-	-	-	1
Nx16		1	1	2	-	-
Nx32	-	-	-	1	-	-

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).

Grade

- A FBT (only for Nx2)
- P Planar technology
- O Low loss planar technology

Connector type

- S1 SC/UPC
- S2 SC/APC 8°
- S3 SC/APC 9°
- L1 LC/UPC
- L2 LC/APC

Split ratio

- 00 symmetrical
 - 05 5/95*
 - 10 10/90*
 - 20 20/80*
 - 30 30/70*
 - 40 40/60*
- * for 1x2 only

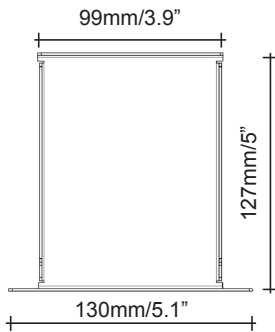
Number of outputs per splitter

- 2, 4, 8, G (16), W (32)

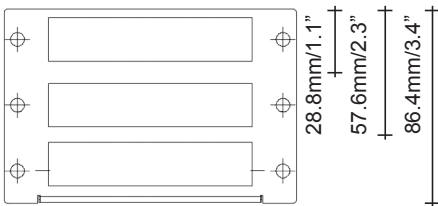
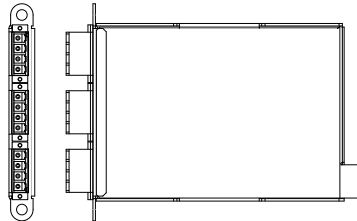
Number of inputs per splitter

- 1
- 2

OCM 1-2-3 Dimensions



OCMF Dimensions



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