

## OCM6

### Modular wideband couplers/splitters for MDU applications

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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 the MDU applications.

A wide selection of split ratios and connector types ensure long lasting compatibility.

#### Advantages

- Reliable performance
- Low loss
- Low polarization sensitivity
- Excellent mechanical protection
- Fast and simple installation
- Clean connector storage for unused ports

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 6 - S X X X X XX - XXX XX

**Type**

6	Compatible with CommScope MDU
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**Type**

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 indicated in the table underneath.

Type	6	
Grade	A	P/O
1 x 2	10	-
2 x 2	8	-
1 x 4	-	5
2 x 4	-	5
1 x 8	-	3
2 x 8	-	3
1 x 16	-	2
2 x 16	-	2
1 x 32	-	1
2 x 32	-	1

**# of inputs\***

1
2

\* 2 inputs only possible for the butt version

**# of outputs**

2
4
8
G (16)
W (32)

**Fixation**

1	Snap on side
2	Fixation holes

**Orientation**

B	Butt
I	In-line with connector

**Pigtail Length (decimeter)**

61C	61 centimeters
72C	72 centimeters
16D	16 decimeters

**Output connector type\***

Min.return loss	SC	LC
50 dB (UPC)*	S1	L1
60 dB (APC 8°)*	S2	L2
60 dB (APC 9°)*	S3	

\* UPC Ultra polished physical contact  
 \* APC Angled polished physical contact  
 \* Input connector always SC for the in-line version. In that case the connector type for LC outputs will be SL1 for UPC and SL2 for APC.

Product can be installed in MDU BUDI product range

- \* always symmetrical split ratio
- \* always 1,8 mm LSZH cable semi-tight

## Performance specifications

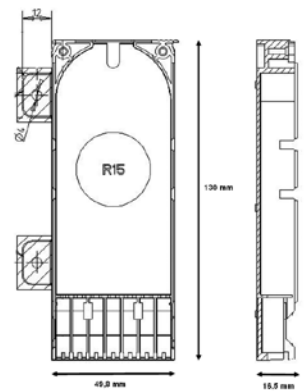
Please refer to RUD 5257 (grade A) or RUD 5330 (grade P and O).

For more technical options and order quantity information, please consult the products ordering guides or your local sales representative.

**Example (see drawing)**

OCM6-SP11GS2-7211

Module Type 6, 1 splitter 1X16 with SC/APC connectors. In-line, snap-on-side.



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