

SPLITTER-Cubes

Features

- Tap Ports, large selection of different splitting ratios
- Extremely wide band of wavelengths possible (VIS-IR)
- Extremely low polarization sensitivity
- Excellent uniformity, highly reliable and stable
- Epoxy-free optical path
- Micro-hybrid construction in a sealed metal housing
- Small Form Factor Components (SFFC), dimensions: 15 x 15 x 15 mm³, other dimensions on demand
- Flexible Fiber Connection Technology (FFCT), for details see Products page
- All types of single mode as well as multi mode fibers possible
- Fiber packaging: loose tube or 250 µm coating

Applications

- Bi-directional or unidirectional systems
- Instrumentation
- Cable TV, Metro Core, Metro Access, Metro Enterprise, WAN, RFTS

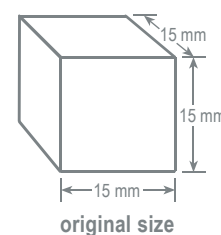
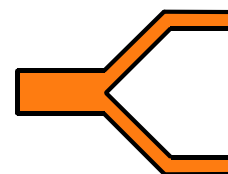
Specifications

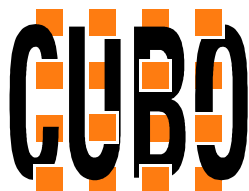
Parameters	Fiber-optical Broadband Splitters / Couplers
Port configurations	1 x 2, 1 x 4, 2 x 2, 2 x 4
Wavelength range	1200 nm - 1610 nm
Coupling ratios for 1x2 and 2x2 Tap Ports	10 / 90, 30 / 70, 50 / 50
Excess loss*	< 1 dB
Uniformity	< 1 dB
Polarization dependent loss	< 0.1 dB
Optical return loss	> 50 dB
Directivity	> 50 dB
Operating temperature	0°C – 70°C
Storage temperature	-45°C – 85°C
Package dimensions	15 x 15 x 15 mm ³

* It is the max. loss at entire wavelength range, valid over full temperature range and at all states of polarization but without connector losses.

Additional components according to your specifications on demand!

Our SPLITTER-Cubes separate your data flow properly.





Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please print the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact Cube Optics AG at +49 - 6131-698510 or via e.mail at sales@cubeoptics.com, or visit our website at www.cubeoptics.com.

Ordering example: K-1-4-A-X-0-S-3-B-15

K- - - - - - - - - -

no. of input ports	code
1	1
2	2

wavelength	code
1200 nm - 1610 nm	A

optional features	code
none	0

fiber length	code
0.5 m	A
1 m	B
1.5 m	C

connector in/out	code
none	0
SC/PC	1
FC/PC	2
SC/APC	3
FC/APC	4
LC/PC	5
MU/PC	6
E2000/HRL	7

no. of output ports	code
2	2
4	4

coupling ratio for 1x2 or 2x2 tap ports	code
10 / 90	1
30 / 70	3
50 / 50	5
all others	X

fiber connection	code
in- and output on same side	S
in- and output on opposite sides	O
rectangular connection	R

fiber type and packaging	code
Corning SMF-28™ (9,125,250 µm) 900 µm loose tube	1
Corning SMF-28™ (9,125,250µm) 250 µm coating	2
multi mode fiber GI (50,125,250 µm) 900 µm loose tube	3
multi mode fiber GI (50,125,250 µm) 250 µm coating	4

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