

## SPLITTER-Cubes

### Features

- Tap Ports, large selection of different splitting ratios
- Extremely wide band of wavelengths possible (VIS-IR)
- Low polarization sensitivity
- Excellent uniformity, highly reliable and stable
- Epoxy-free optical path
- Micro-hybrid construction in a sealed metal housing
- Extremely small component dimensions: 15 x 15 x 15 mm<sup>3</sup>, 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

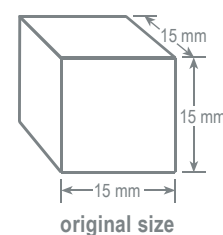
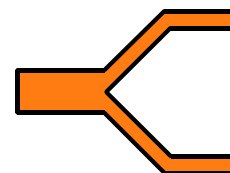
### Specifications

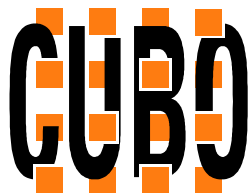
Parameters	Fiber-optical Broadband Splitters / Couplers
Port configurations	1 x 2, 1 x 4, 2 x 2, 2 x 4
Wavelength range	1200 nm - 1610 nm
Coupling ratios for 1x2 and 2x2 Tap Ports	10 / 90, 30 / 70, 50 / 50
Excess loss*	< 1 dB
Uniformity	< 1 dB
Polarization dependent loss	< 0.1 dB
Optical return loss	> 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 <sup>3</sup>

\* 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	wavelength	code	optional features	code	fiber length	code	connector in/out	code
1	1	1200 nm - 1610 nm	A	none	0	0.5 m	A	none	0
2	2					1 m	B	SC/PC	1
						1.4 m	C	FC/PC	2

no. of output ports	code	coupling ratio for 1x2 or 2x2 tap ports	code	fiber connection	code	fiber type and packaging	code
2	2	10 / 90	1	in- and output on same side	S	Corning SMF-28™ (9,125,250 µm) 900 µm loose tube	1
4	4	30 / 70	3	in- and output on opposite sides	O	Corning SMF-28™ (9,125,250µm) 250 µm coating	2
		50 / 50	5	rectangular connection	R	multi mode fiber GI (50,125,250 µm) 900 µm loose tube	3
		all others	X			multi mode fiber GI (50,125,250 µm) 250 µm coating	4

connector in/out	code
SC/APC *	3
FC/APC	4
LC/PC	5
MU/PC	6
E2000/HRL	7

\* 8° angular polishing

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