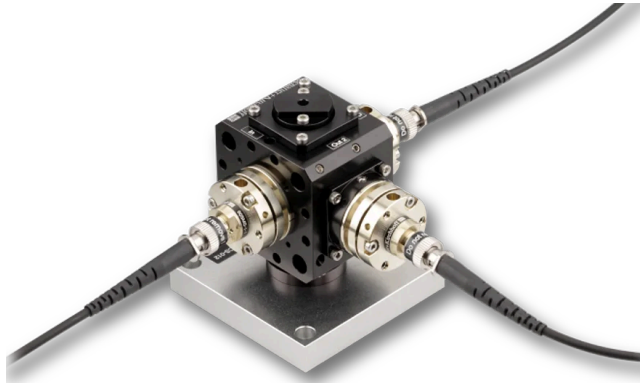


## Beam Splitters

Compact, rugged and highly efficient opto-mechanical unit for splitting fiber-coupled radiation



### FEATURES

#### Fiber-Coupled Beam Splitters

- Configuration 1 → 2 and 2 → 2
- Highly efficient coupling into singlemode or polarization-maintaining fiber cables
- Compact, rugged, transportable and sealed opto-mechanical units
- Fully fiber-coupled
- Very high long-term stability, efficiency and reproducibility

## DESCRIPTION

These fiber-coupled Beam Splitters are compact opto-mechanical units that split a fiber-coupled source into two output fiber cables with high efficiency.

### Fiber Couplers

A fundamental component of a fiber-coupled Beam Splitter is the [Laser Beam Coupler](#), which is the input into the opto-mechanical unit collimating the input radiation and, finally, couples the radiation back into the polarization-maintaining fiber cables. The stability of the total Beam Splitter is determined by the [stability](#) of the laser beam coupler.

## ORDER OPTIONS

Order Code	Configuration	Splitting Ratio	Available Wavelength	Transmission	Polarization Extinction
<a href="#">48-MCS-002</a>	1 → 2	50:50	400 - 1700 nm, monochromatic or bandwidth up to 500 nm	≥ 75 % @ 780 nm	≥ 23 dB @ 780 nm
<a href="#">48-MCS-011</a>	1 → 2	Dichroic	400 - 1700 nm	≥ 70 % @ 780 nm	≥ 23 dB @ 780 nm
<a href="#">48-MCS-015</a>	1 → 2	Polarizing	400 - 1700 nm, monochromatic or bandwidth up to 500 nm	≥ 70 % @ 780 nm	≥ 23 dB @ 780 nm
<a href="#">48-MCS-027</a>	2 → 2	50:50	400 - 1700 nm, monochromatic or bandwidth up to 500 nm	≥ 75 % @ 780 nm	≥ 23 dB @ 780 nm
<a href="#">48-MCS-026</a>	2 → 2	Polarizing	400 - 1700 nm, monochromatic or bandwidth up to 500 nm	≥ 70 % @ 780 nm	≥ 23 dB @ 780 nm

## RELATED PRODUCTS

### BEAM SPLITTERS

Compact, rugged and highly efficient opto-mechanical unit for splitting fiber-coupled radiation

### FIBER PORT CLUSTER

This is a printout of the page <https://sukhamburg.com/products/fiberoptics/multicube/systems/beamsplitter.html> from 5/5/2024

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