

SUPERK SPLIT

Spectral splitting filter for SuperK lasers



PASSIVE SPLITTING FILTER

Ideal for supercontinuum beam splitting

The SuperK SPLIT is a passive filter accessory which allows the SuperK spectrum to be divided into two spectral outputs.

The SPLIT comes in two standard configurations:
VIS/IR and nIR/IR.

Features

- Separate Visible and IR ranges
- Additional filters/polarizers
- Manual shutters for port control
- Free-space, collimated beam output (standard) or fiber coupled (option)
- Plug and Play
- Robust and compact industrial design
- Maintenance-free 24/7 operation
- Simple and intuitive user interface via NKT Photonics CONTROL

SUPERK SPLIT

VIS/IR or nIR/IR

The SPLIT comes in two standard configurations: VIS/IR and nIR/IR. Other wavelength splits are available on request.

Output options

As standard, the SuperK SPLIT provides collimated, free-space output. The SPLIT can be fitted with our CONNECT fiber delivery; a high-performance fiber delivery system complete with broadband fibers and a range of termination options such as FC/PC connectors or collimators.

Mounting options

The SPLIT can be mounted with the External Filter Holder add-on that fits on all our filtering accessories before the fiber coupling. It enables you to add any standard 1-inch filter in the beam path.

CONNECT fiber delivery

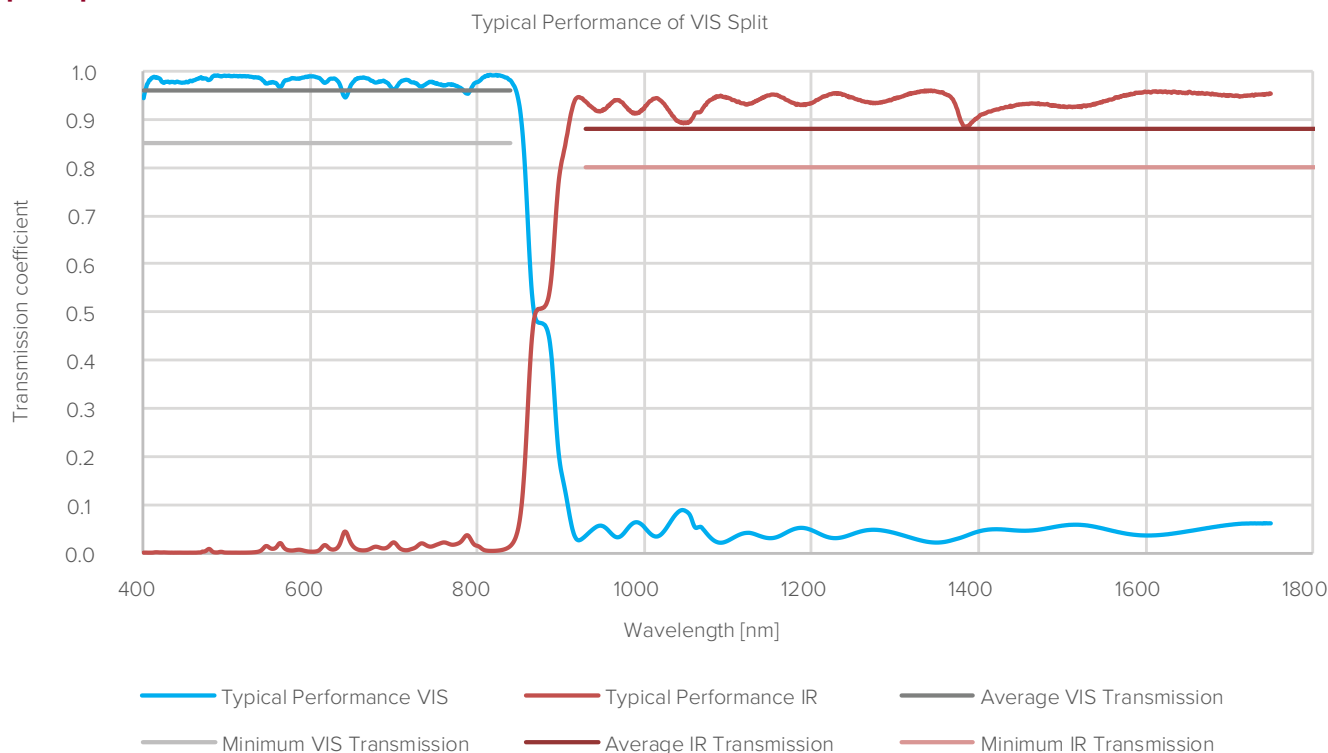
SPLIT port	Suitable CONNECT FD model
VIS	FD1, FD2, FD3, FD7
nIR	FD3, FD4, FD8, FD9
IR	FD5, FD6, FD8

Options

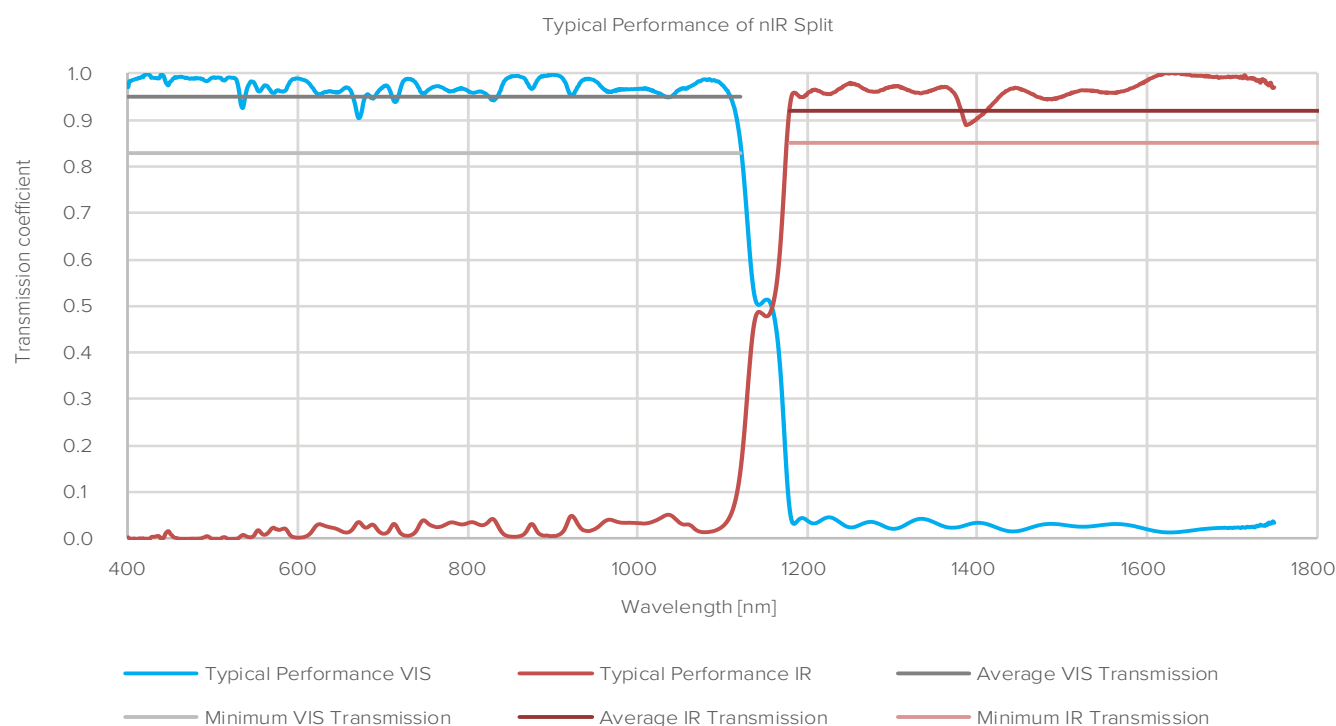
- CONNECT fiber delivery
- Two spectral ranges
- External Filter Holder

PERFORMANCE PLOTS

Typical performance VIS



Typical performance nIR



SPECIFICATIONS

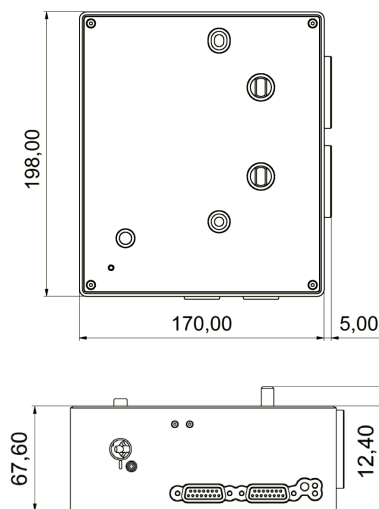
Optical

Wavelength splitting range [nm]	VIS/IR: 400-830 / 915-2400 nIR/IR: 400-1120 / 1180-2400
Output mode	Free-space collimated or SuperK CONNECT fiber delivery or External Filter Holder
Mechanical shutter	Integrated for both output ports
Laser safety interlock	Integrated and linked with SuperK series

Mechanical/Electrical/Environmental

Dimensions (WxHxL) [mm ³]	170 x 67.6 x 198
Weight [kg]	4.5 kg
Operation temperature [°C]	15 – 30
Storage temperature (non-condensing) [°C]	5 – 50
Humidity [% RH]	20 – 80

TECHNICAL DRAWINGS



All NKT Photonics products are produced under our quality

FORCE



INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO



INTERLAB Sp. z o.o. | Instrumenty badawcze i pomiarowe

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