

# 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

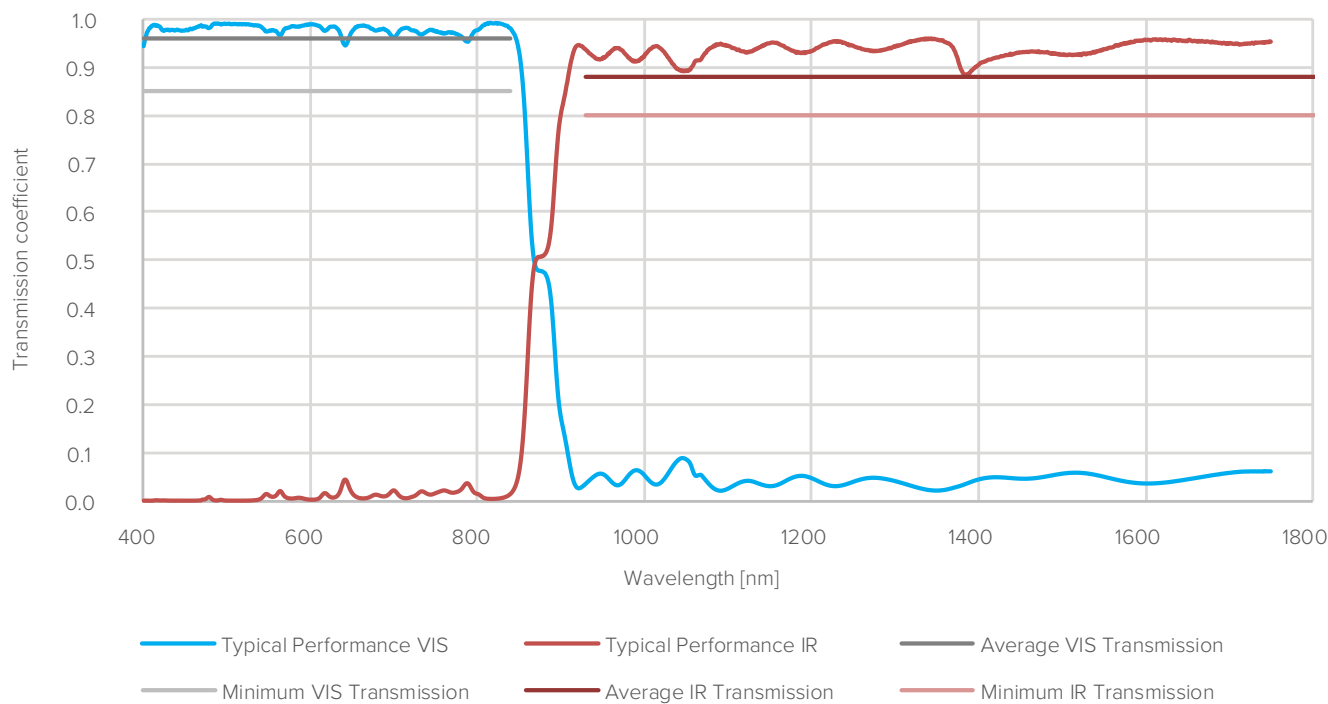
### Options

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

# PERFORMANCE PLOTS

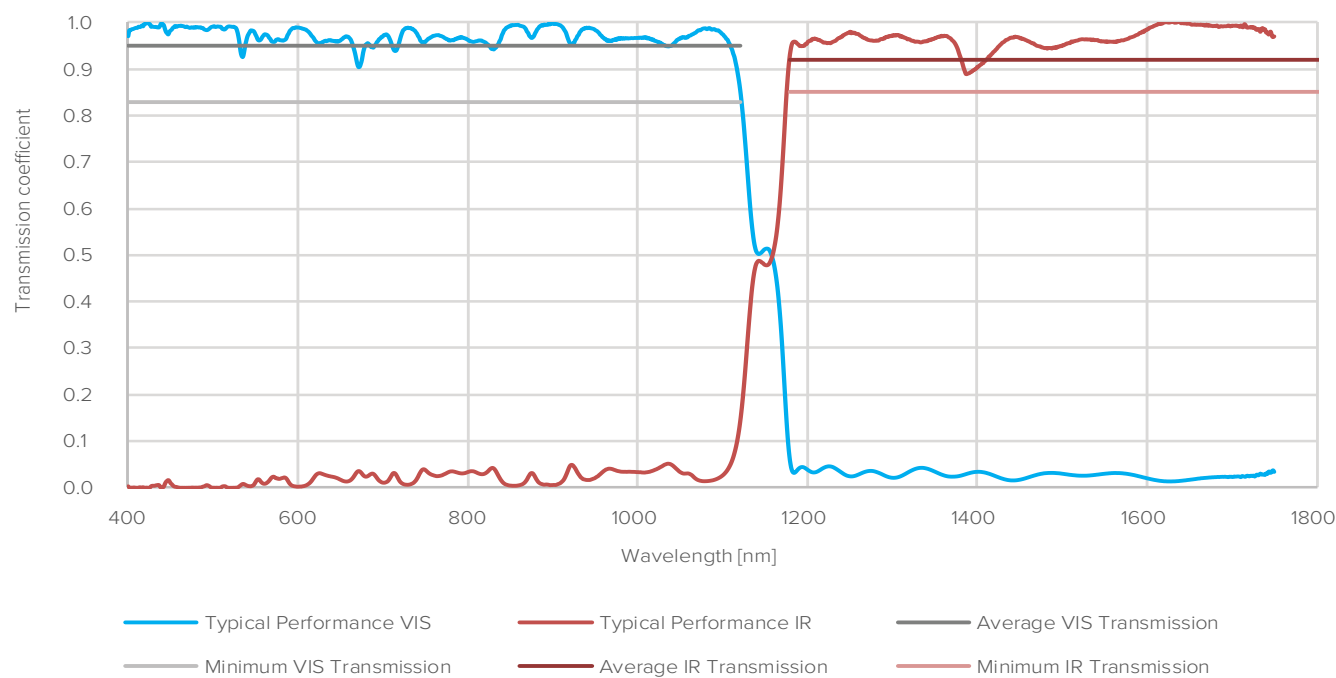
## Typical performance VIS

Typical Performance of VIS Split



## Typical performance nIR

Typical Performance of nIR Split



# SPECIFICATIONS

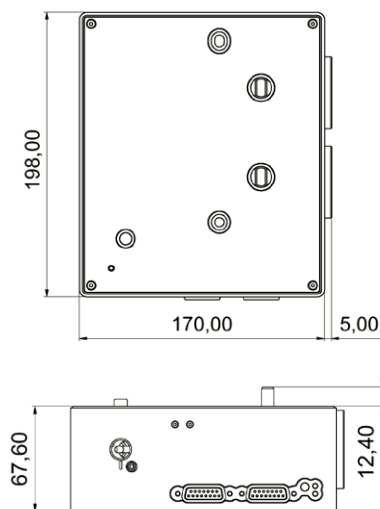
## Optical

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 <sup>3</sup> ]	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 management system certified in accordance with the ISO 9001:2015 standard.

