

SuperK SPLIT

Spectral splitting filter for SuperK lasers



Passive splitting filter

Ideal for supercontinuum beam splitting

The SuperK SPLIT is a passive filter that divides the SuperK spectrum into two broadband spectral outputs.

As a standard, the SuperK SPLIT has two outputs: Visible and nIR. You can choose the 'split' between the bands to be anywhere in the SuperK spectrum.



SuperK SPLIT

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

Ease of use

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 broad-band 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

SuperK SPLIT

Options

CONNECT fiber delivery

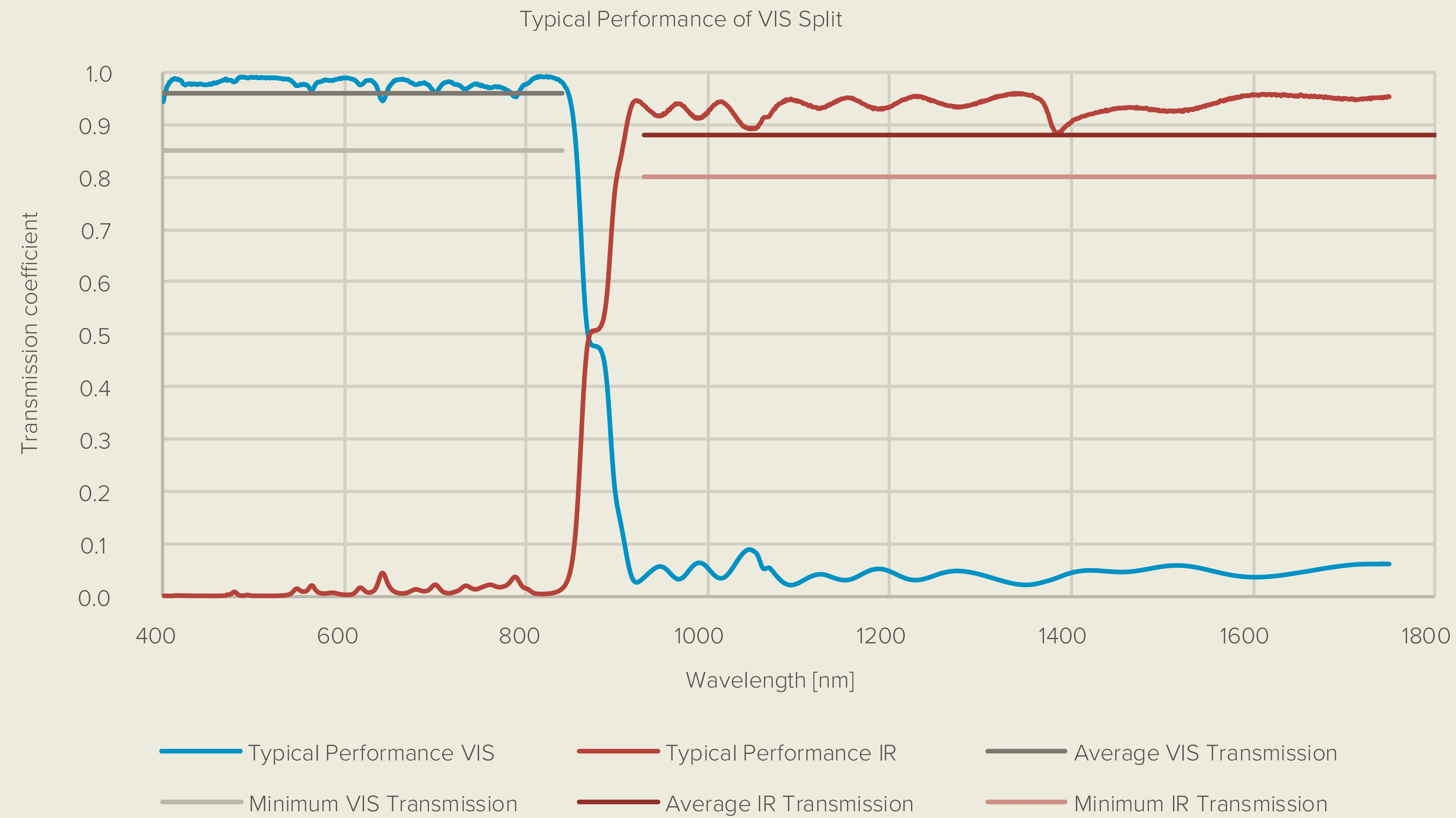
Two spectral ranges

External Filter Holder

Performance Plots

SuperK
SPLIT

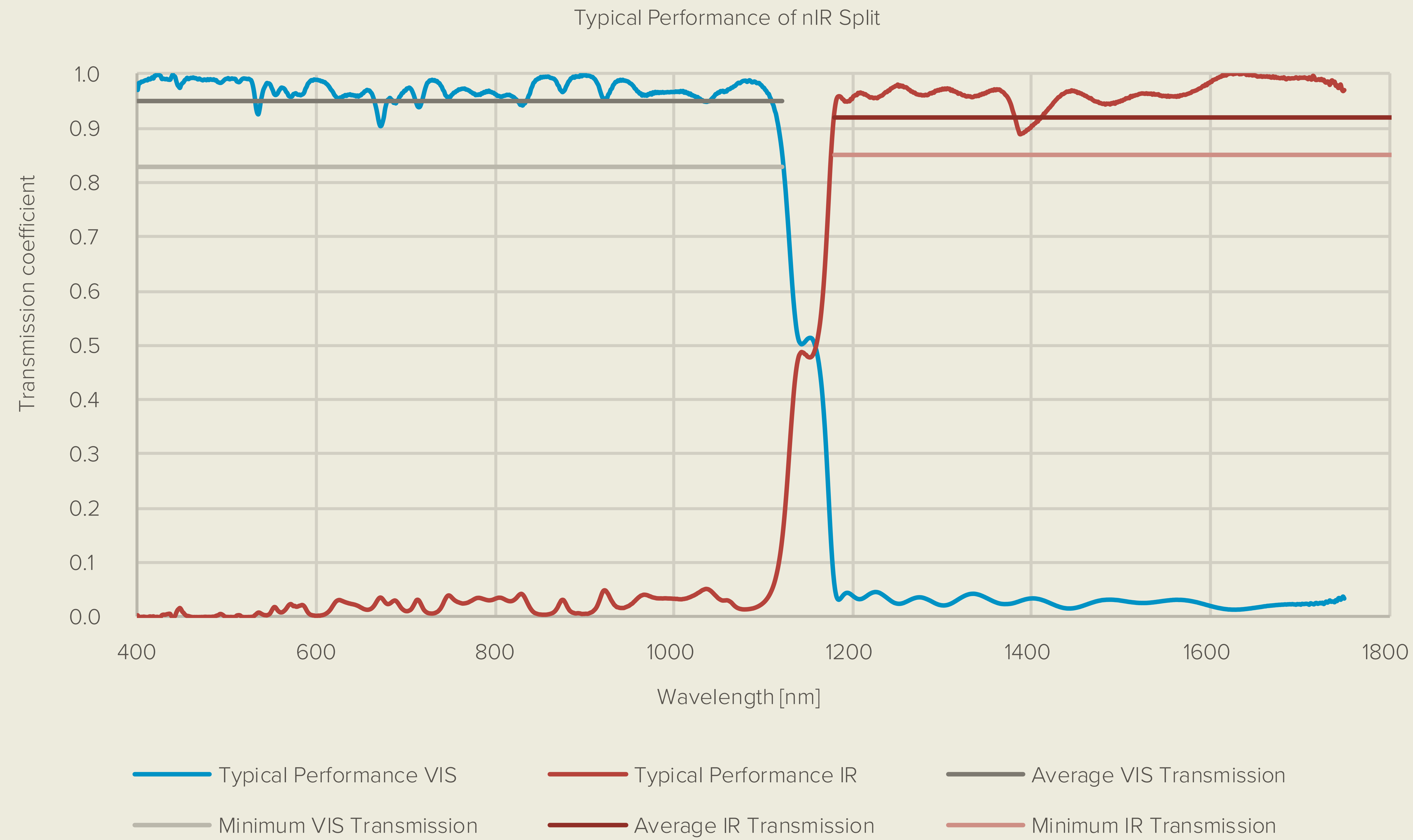
Typical performance VIS



Performance Plots

SuperK
SPLIT

Typical performance nIR



Specifications

SuperK SPLIT

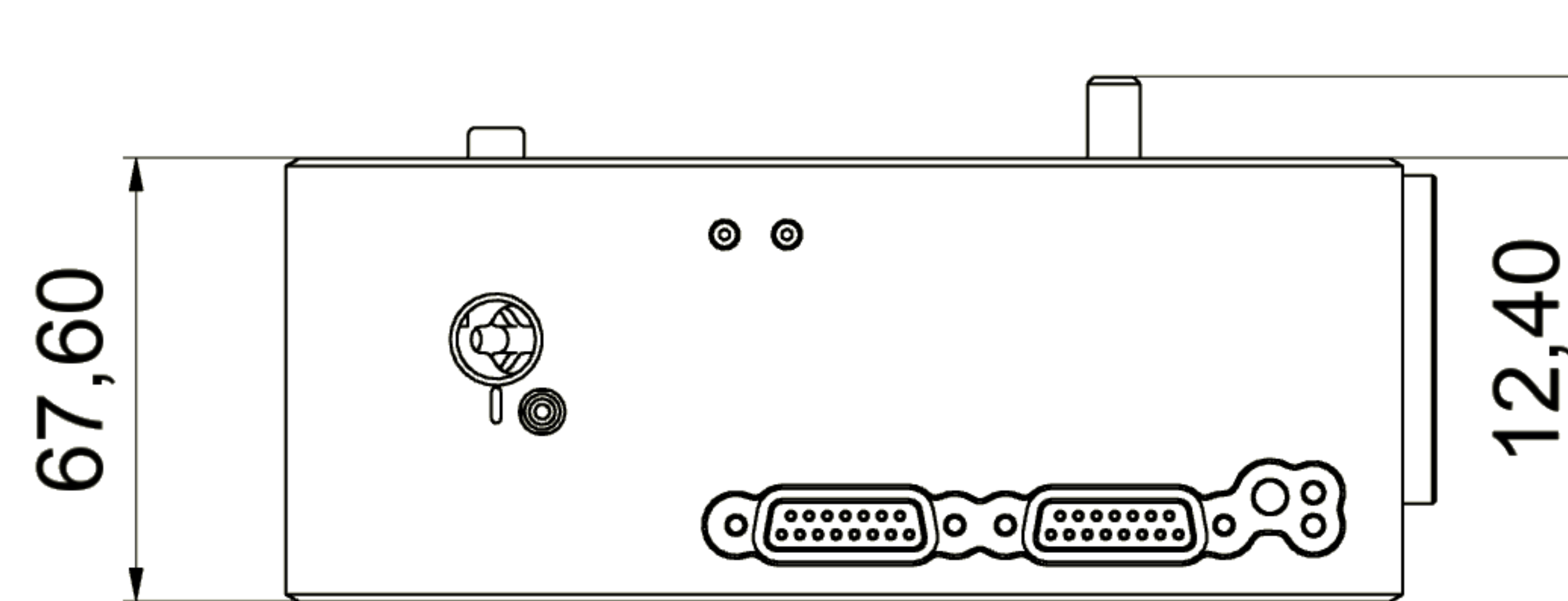
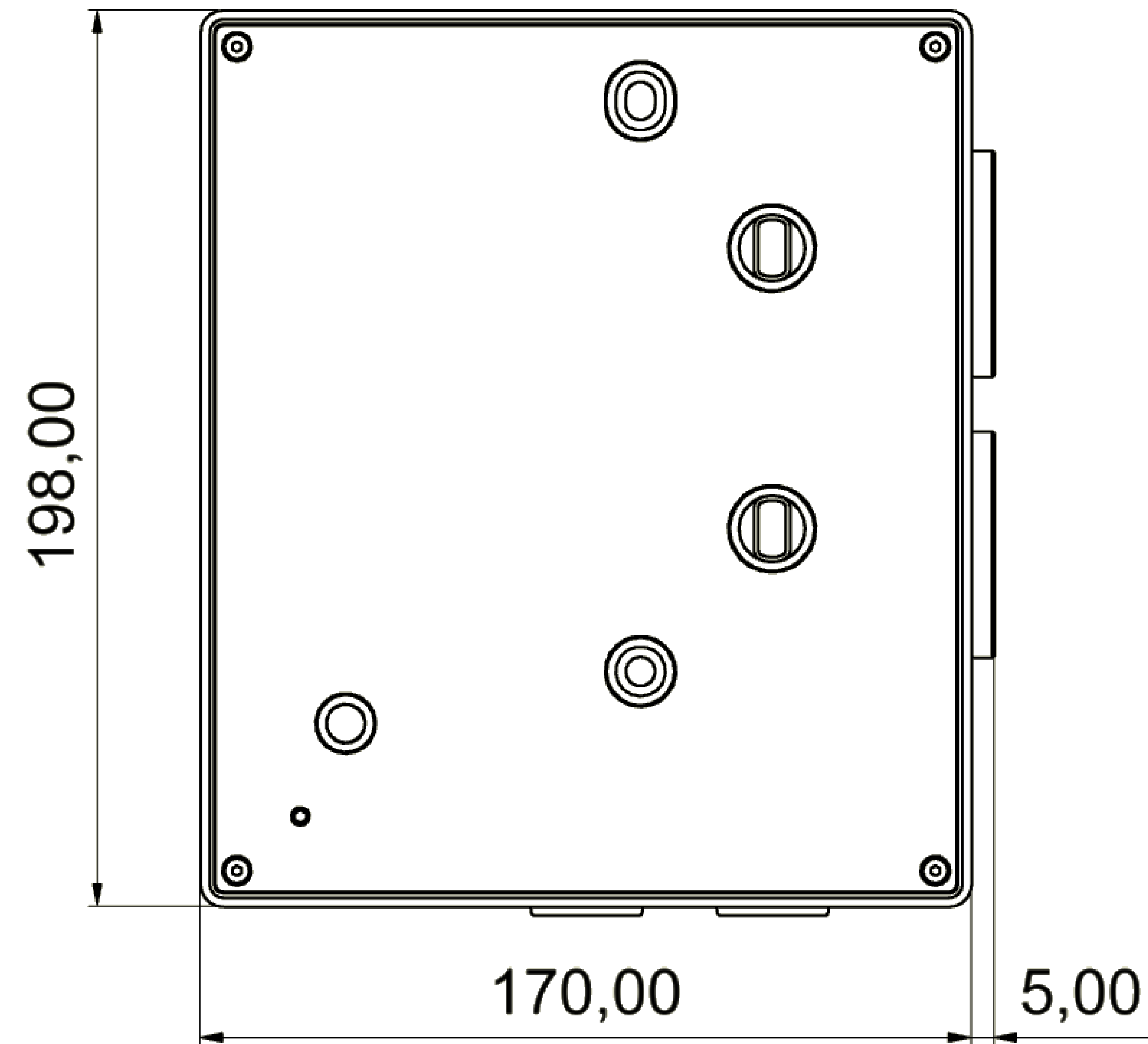
Optical

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
Laser safety interlock	Integrated

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



SuperK SPLIT

All NKT Photonics products are produced under our quality management system certified in accordance with the ISO 9001:2015 standard.



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