

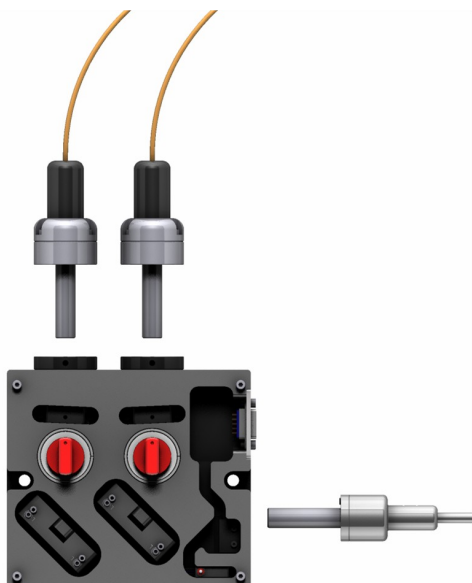
SuperK SPLIT

Flexible access to any spectral areas of SuperK lasers

- Passive filter accessory for all SuperK lasers
- Separate Visible and IR spectral access
- Additional filters/polarizers can be inserted
- Manual shutters for port control
- Effortless Plug'n'Play design
- Free space, collimated beam output, or fiber coupled
- SuperK FD fiber delivery

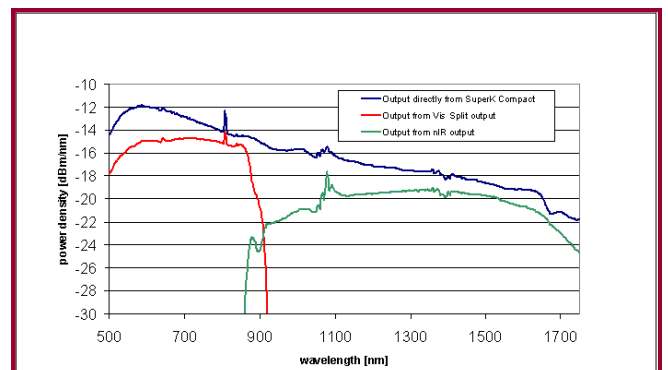
The SuperK SPLIT is a passive filter accessory which allows the SuperK spectrum to be divided into two spectral outputs. This is important in applications where light from one sub-area of the spectrum is desired and light outside this spectrum is parasitic. In its standard form, the SuperK SPLIT provides two outputs: Visible and nIR. However, the choice of the "split" in the spectrum can be user-defined to be anywhere in the SuperK spectrum. Additionally, standard mounts within the SPLIT allow the insertion of narrow band filters, polarizers or attenuators at each output exit for further flexibility.

As standard, the SuperK SPLIT provides collimated, free-space output at each exit, however for lower power systems such as the SuperK COMPACT or the lower power EXTREME variants, a fiber coupled exit is also an option using the SuperK Fiber Delivery.



SuperK Split Specifications

Wavelength Splitting Range	VIS/nIR: 400-670nm/690-1200nm VIS/IR: 450-800nm/900-2400nm nIR/IR: 600-1100nm/1280-2400nm
Output mode	Free Space Collimated
Mechanical Shutter	Integrated for both Output Ports
Laser Safety Interlock	Integrated and linked with SuperK™ Series
Fiber Delivery	Optional (see overleaf)



Performance of SuperK SPLIT when coupled to a SuperK COMPACT laser source. Output is fiber coupled using our visible or IR Fiber Delivery systems (see overleaf)



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SuperK Fiber Delivery

Fiber delivery configurations

FD1	FD2	FD3	FD4	FD5	FD6	FD7	FD8	FD9	FD10
UV-VIS 400-550nm	VIS 450-750nm	VIS-nIR 600-900nm	nIR1 730-1100nm	IR 1000-1900nm	Ext. IR 1250-2400nm	VIS-nIR 400-1100nm	VIS - IR 600-2400nm	VIS - IR 500-1500nm	VIS-nIR 400-1100nm
SM; PM + non-PM; FC-APC	SM; PM + non-PM; FC-APC	SM; PM + non-PM; FC-APC	SM; PM + non-PM; FC-APC	SM; PM or non-PM; FC-APC	SM; non-PM; FC-APC	LMA; PM or non-PM, FC-PC or APC	LMA; non-PM, FC-PC	LMA; non-PM, FC-PC	MM, FC-PC

* Fibers are also available with collimated output upon request

Standard single mode fiber delivery systems for fiber-to-fiber connection

SPLIT Configuration	VIS: 400-670nm	nIR: 690-1200nm	VIS: 450-800nm	IR: 900-2400nm	nIR: 600-1100nm	IR: 1280-2400nm
Std SM Fiber	FD1/FD2	FD3/FD4	FD2/FD3	FD4/FD5/FD6	FD3/FD4	FD5/FD6

Broadband single mode fiber delivery systems for free-space, diverging output

SPLIT Configuration	VIS: 400-670nm	nIR: 690-1200nm	VIS: 450-800nm	IR: 900-2400nm	nIR: 600-1100nm	IR: 1280-2400nm
Broadband SM Fiber*	FD7	FD8	FD7	FD8	FD9	FD8

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