

NARROW BANDPASS

Our Narrow Bandpass Filters feature steep slopes for a sharp transition between high transmission and deep blocking with stable cut-on and cut-off wavelengths.



Color	Name	Status	Order name	Wavelength range, 50%–50% [nm]	Center wavelength [nm]	Bandwidth [nm]
●	NBP 405-15 HT	on request	NBP 405-15 HT	398-412	405	15
●	NBP 450-40 HT	standard	NBP 450-40 HT	433-466	450	40
●	NBP 457-20 HT	on request	NBP 457-20 HT	447-467	457	20
●	NBP 488-20 HT	on request	NBP 488-20 HT	478-498	488	20
●	NBP 532-20 HT	on request	NBP 532-20 HT	522-542	532	20
●	NBP 635-20 HT	standard	NBP 635-20 HT	625-645	635	20
●	NBP 660-10 HT	standard	NBP 660-10 HT	655-665	660	10
●	NBP 810-45 HT	on request	NBP 810-45 HT	788-832	810	45
●	NBP 830-20 HT	on request	NBP 830-20 HT	820-840	830	20

TRANSMIT A SMALL DEFINED WAVELENGTH RANGE

Key Features:

- Average Transmission 90 %
- Steep slopes
- Wavelength Tolerance +/- 1 %
- Deep Blocking / High Optical Density

Typical applications:

- Spectroscopy
- Traffic and surveillance
- Bioanalytics and medical
- LED and laser illumination

NARROW BANDPASS FILTERS FOR THE INDUSTRY

Schneider-Kreuznach magnetron sputtered industrial narrow bandpass filters feature steep slopes for sophisticated applications that require a sharp transition between high transmission and deep blocking at stable cut-on and cut-off wavelengths. The layers are applied by means of magnetron sputtering, a special coating process. Schneider-Kreuznach narrow bandpass filters are RoHS compliant. Custom sizes are available on request.

What is the function of a narrow bandpass filter?

A narrow bandpass filter selectively transmits light within a narrow range of wavelengths while blocking light outside this range. The filter is designed to have a high degree of wavelength selectivity, which allows it to transmit only a specific narrow spectral band of light.

MORE INFORMATION

Discover the variety of our high quality lenses. For more technical details on the filters and datasheets, please visit our website: www.schneiderkreuznach.com/narrow-bandpass



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01/2024

