

Bandpass Filters

Bandpass Filters

Bandpass filters transmit light of a defined wavelength range, while blocking all others. The thickness of the band filters are kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Bandpass filters are available in the range from 465 nm to 865 nm and Full-Width Half-Maximum from 50 nm to more than 100 nm, in sizes 10 mm to 74 mm diameter or mounted in M25.5 to M67. Schneider Kreuznach bandpass filters are RoHS conform.

Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS compliant

Applications

- Biotech
- Biomedical
- Traffic
- Food & Beverage Inspection
- Laser Application
- Semiconductor Inspection
- Scientific Research

Technical Specifications

Filter type	IF BP CWL-FWHM
Peak transmittance	> 80 %
Blocking	< 1%
Wavelength tolerance	+/- 15 nm
Diameter tolerance	+0 - 0.3 mm
Thickness	2.0 mm ± 0.2 mm

¹ Specification according to ISO 10110

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Bandpass Filter IFG BP 465-70

Bandpass Filter IFG BP 465-70 RoHS

Bandpass filters transmit light of 465 nm +/-35 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG BP 465-70 is RoHS conform. Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

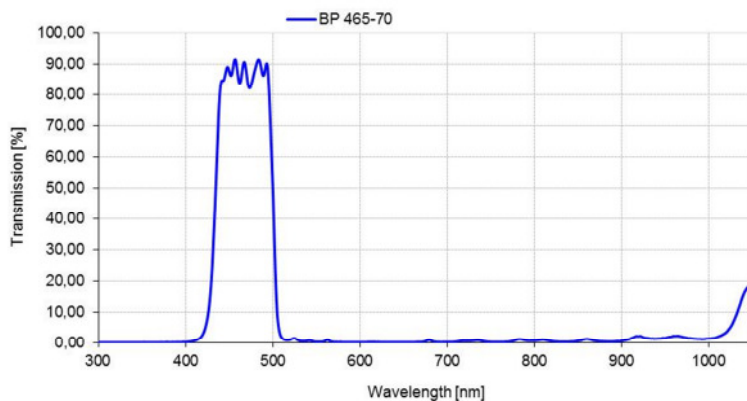
Applications

- Traffic
- Food & Beverage Inspection
- Scientific Research
- Biotech
- Biomedical

Technical Specifications

Filter type	BP 465-70
Transmittance band	430 nm – 500 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront tolerance	10 - 30mm:13/1 (0.2) 31 - 50mm:13/1 (0.25) 51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG BP 490-180

Bandpass Filter IFG BP 490-180 RoHS

Bandpass filters transmit light of 490 nm +/- 90 nm, while blocking all others. With a spectral transmission range of 400nm to 580nm the new Schneider Kreuznach BP490-180 is the ideal alternative to the popular but as very soft known BG39 glass. Perfect for all application, where a durable and high quality surface is required, for example process control in factory automation and food and beverage sorting. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG BP 490-180 is RoHS conform. Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- BG 39 color glass alternative
- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

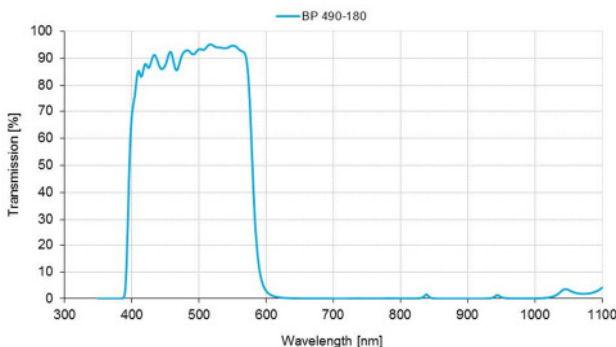
Applications

- Food & Beverage Inspection
- Laser Application
- Semiconductor Inspection
- Scientific Research
- Biotech
- Biomedical

Technical Specifications

Filter type	BP 490-180
Transmittance band	400 nm – 580 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	10 - 30mm:13/1 (0.2) 31 - 50mm:13/1 (0.25) 51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG BP 540- 80

Bandpass Filter IFG BP 540-80 RoHS

Bandpass filters transmit light of 540 nm +/- 40 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG BP 540-80 is RoHS conform. . Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

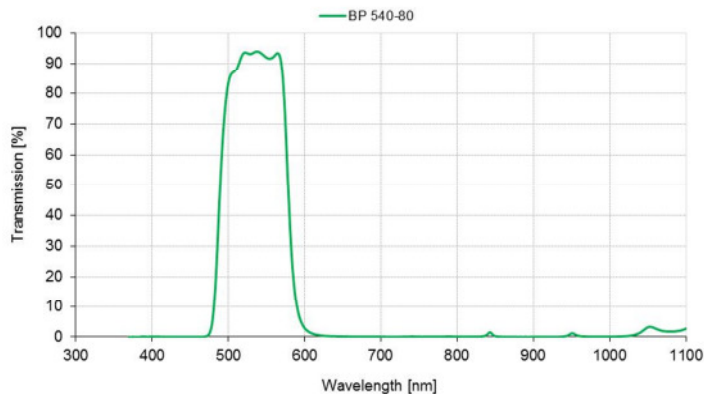
Applications

- Food & Beverage Inspection
- Scientific Research
- Biotech
- Biomedical
- Laser Application
- Semiconductor Inspection

Technical Specifications

Filter type	BP 540-80
Transmittance band	500 nm – 580 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	10 - 30mm:13/1 (0.2) 31 - 50mm:13/1 (0.25) 51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG BP 575 – 170

Bandpass Filter IFG BP 575 – 170 RoHS

Bandpass filters transmit light of 575 nm +/- 85 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG 575-170 is RoHS conform. . Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

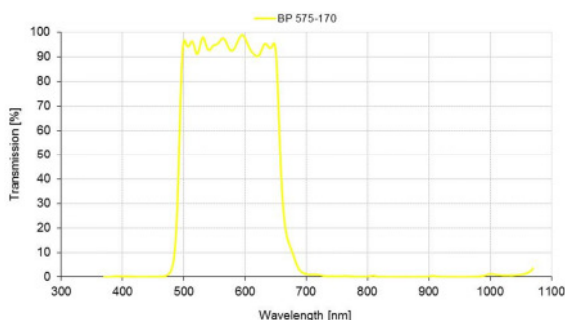
Applications

- Biotech
- Biomedical
- Food & Beverage Inspection
- Scientific Research
- Laser Application
- Semiconductor Inspection

Technical Specifications

Filter type	BP 575-170
Transmittance band	490 nm – 660 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	10 - 30mm:13/1 (0.2)
	31 - 50mm:13/1 (0.25)
	51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG BP 590-50

Bandpass Filter IFG BP 590-50 RoHS

Bandpass filters transmit light of 590 nm +/- 25 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG 590-50 is RoHS conform. Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

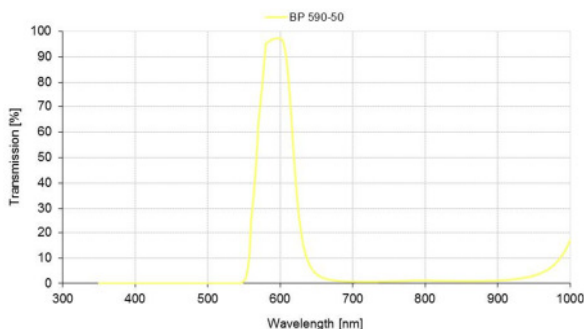
Applications

- Biotech
- Biomedical
- Food & Beverage Inspection
- Scientific Research
- Laser Application
- Semiconductor Inspection

Technical Specifications

Filter type	BP 590-50
Transmittance band	565 nm – 615 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	10 - 30mm:13/1 (0.2)
	31 - 50mm:13/1 (0.25)
	51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG BP 590 – 200

Bandpass Filter IFG BP 590-200 RoHS

Bandpass filters transmit light of 590 nm +/- 100 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG 590-200 is RoHS conform. Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

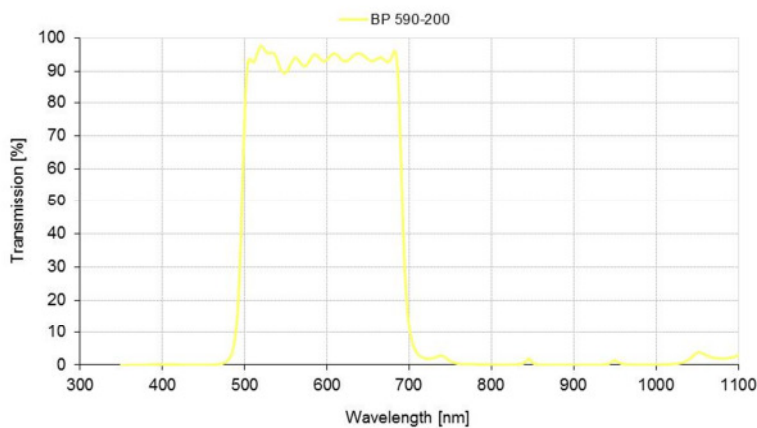
Applications

- Biotech
- Biomedical
- Food & Beverage Inspection
- Scientific Research
- Laser Application
- Semiconductor Inspection

Technical Specifications

Filter type	BP 590-200
Transmittance band	490 nm – 690 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG BP 635-50

Bandpass Filter IFG BP 635-50 RoHS

Bandpass filters transmit light of 635 nm +/- 25 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG BP 635- 50 is RoHS conform. . Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

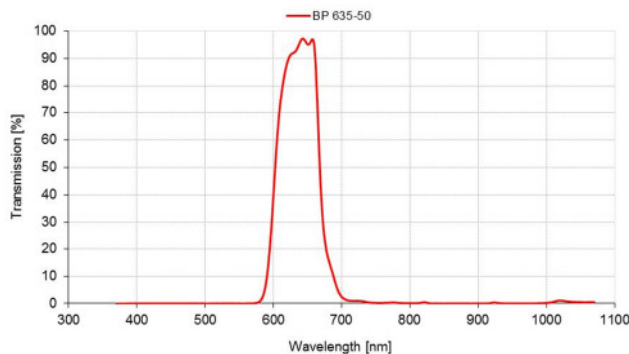
Applications

- Laser Application
- Semiconductor Inspection
- Food & Beverage Inspection
- Scientific Research
- Biotech
- Biomedical

Technical Specifications

Filter type	BP 635- 50
Transmittance band	610 nm – 660 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	10 - 30mm:13/1 (0.2) 31 - 50mm:13/1 (0.25) 51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG BP 660-60

Bandpass Filter IFG BP 660-60 RoHS

Bandpass filters transmit light of 660 nm +/- 30 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG BP 660- 60 is RoHS conform. . Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

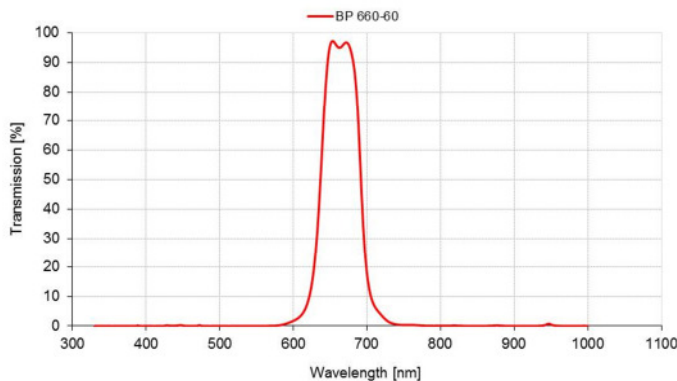
Applications

- Laser Application
- Semiconductor Inspection
- Food & Beverage Inspection
- Scientific Research
- Biotech
- Biomedical

Technical Specifications

Filter type	BP 660-60
Transmittance band	630 nm – 690 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	10 - 30mm:13/1 (0.2)
	31 - 50mm:13/1 (0.25)
	51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG BP 680-100

Bandpass Filter IFG BP 680-100 RoHS

Bandpass filters transmit light of 680 nm +/- 50 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG BP 680-100 is RoHS conform. Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

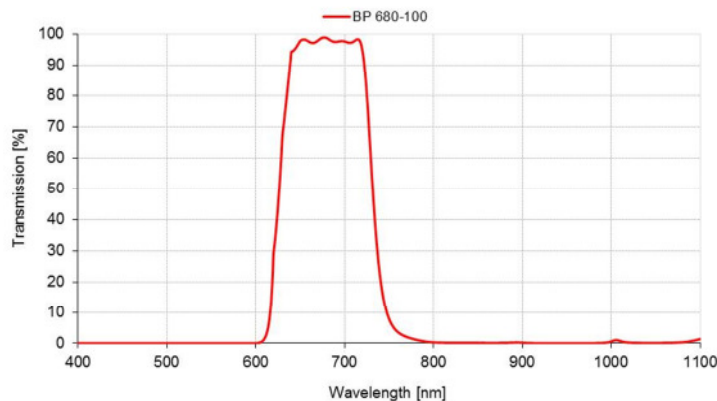
Applications

- Laser Application
- Semiconductor Inspection
- Food & Beverage Inspection
- Scientific Research
- Biotech
- Biomedical

Technical Specifications

Filter type	BP 680 100
Transmittance band	630 nm – 730 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	10 - 30mm:13/1 (0.2) 31 - 50mm:13/1 (0.25) 51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Bandpass Filter IFG 865-100

Bandpass Filter IFG 865-100 RoHS

Designed for imaging application using NIR LED, bandpass filters transmit light of 865 nm +/- 50 nm, while blocking all others. The thickness of the bandpass filter is kept to a minimum. Multiple thin layer coatings archive the designed wavelength range at a high optical quality. The effective thickness of the thin layers and therefore the spectral characteristics of the filters depend on the angle of incidence. Schneider Kreuznach bandpass filter IFG 865-100 is RoHS conform. . Available unmounted in sizes from 10 mm to 74 mm and mounted with standard filter threads from M25.5 up to M67.



Call us to discuss your OEM and custom requirements.

Key Features

- Peak transmittance > 80 %
- Blocking < 1%
- Wavelength Tolerance +/- 15 nm
- Large clear aperture
- high reproducibility
- Mounted with common thread sizes and unmounted versions available
- RoHS conform

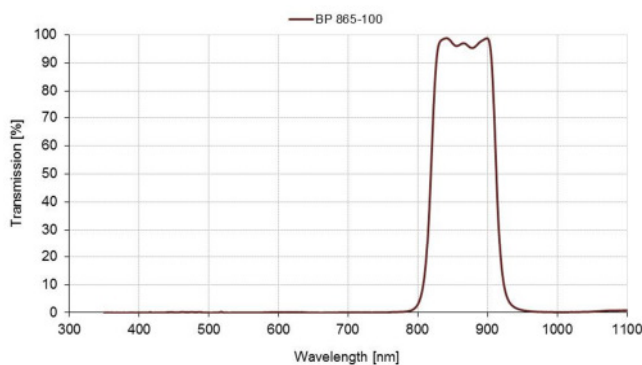
Applications

- Traffic
- Biotech
- Food & Beverage Inspection
- NIR Measurement

Technical Specifications

Filter type	IF 865-100
Transmittance band	815 nm – 915 nm
Peak transmittance	> 80 %
Blocking	< 1%
Wavefront Tolerance	10 - 30mm:13/1 (0.2)
	31 - 50mm:13/1 (0.25)
	51 – 74mm:13/1 (0.35)
Surface	5/2 x 0.1
Thickness	2.0mm ± 0.2 mm

¹ Specification according to ISO 10110



Order Instructions:				
Mounted filter:	IF			
Unmounted filter glass:	IFG			
Type:	BP CWL-Bandwidth			
Mount:	SH (standard M- thread mounts) SN-1 (only for 30.5mm) CMT (C-mount)			
Size:	Thread of mount for mounted filters (IF) or Diameter in mm for unmounted glass (IFG)			
Examples:	IFx	type	mount	size
	IF	BP 465-70	SH	25.5
	Mounted filter,	Bandpass 465nm CWL +/-35nm,	thread size	M25.5
	IFG	BP 640-100		30.0
	Unmounted filter,	Bandpass 640nm CWL +/-50nm	diameter	30.0mm