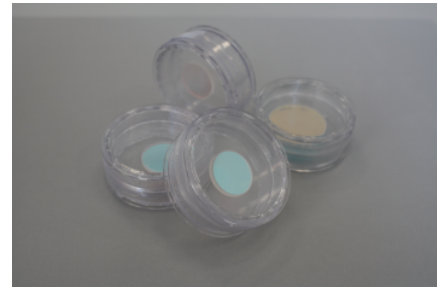


UV IR Cut Filter

Schneider-Kreuznach UV IR Cut filter transmit VIS light and block troublesome UV and IR light. Those popular filters are ideal as sensor cover glasses. The choice of wavelength ranges optimized for the different sensor characteristics ensures the best fitting filter for each application. The UV IR cut filters come with our ultra-low reflection coating.

Schneider -Kreuznach bandpass filters are RoHS conform. Custom sizes are available on request.



Key Features

- Ave. Transmittance 95 %
- Steep Slopes
- Wavelength Tolerance +/- 1 %
- Ultra Low Reflection
- Deep Blocking / High OD

Applications

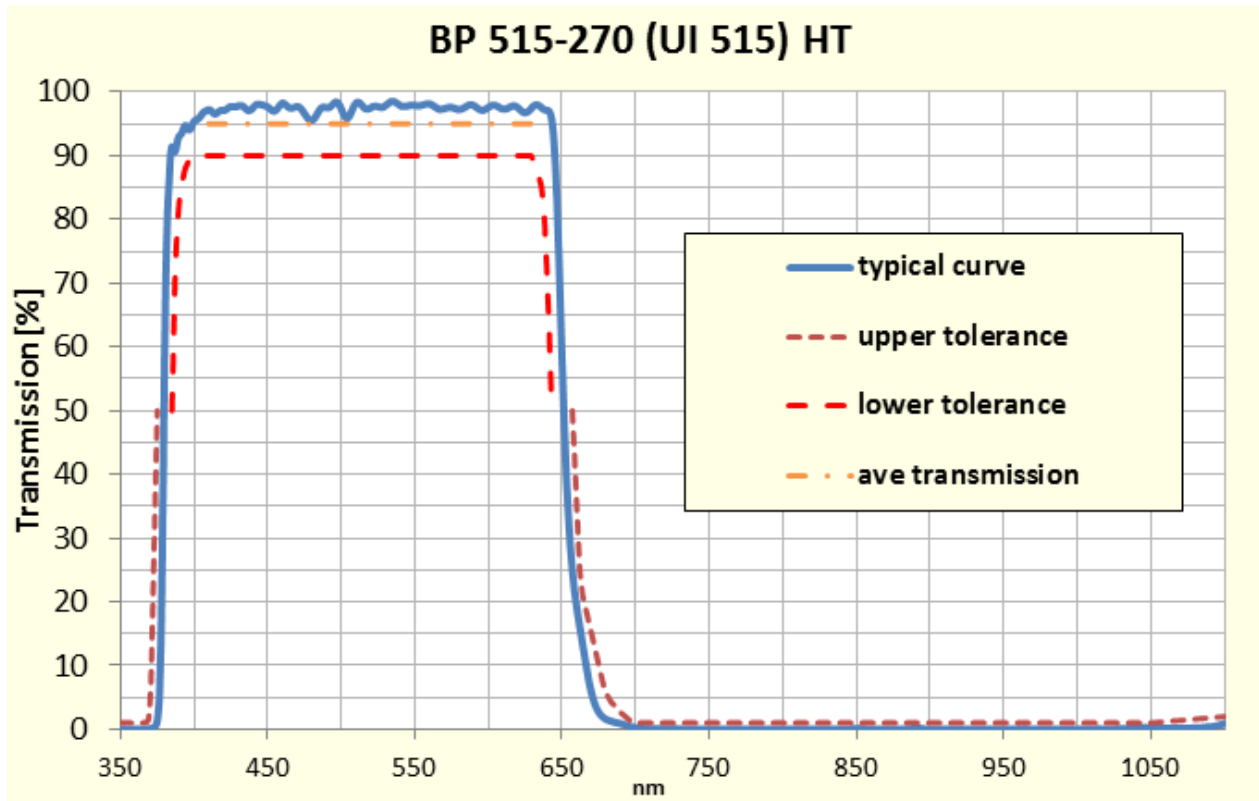
- Machine Vision System
- Inspection systems
- Surveillance cameras
- Viewer

General technical specifications

according to ISO 10110

Parallelism	1'
Surface	10 – 18 mm: 5/1x0,10 L3x0,008
	18 – 30 mm: 5/2x0,10 L3x0,008
	31 – 50 mm: 5/2x0,16 L3x0,008
	51 – 64 mm: 5/3x0,16 L3x0,008
Wavefront distortion	10 – 30 mm:13/1 (0.2)
	31 – 50 mm:13/1 (0.25)
	51 – 74 mm:13/1 (0.35)
Thickness	2.0 +/- 0.08 mm
Climate Testing	
Slow temperature cycling	DIN ISO 9022-2-14-03 -1
Damp heat, cyclic	DIN ISO 9022-2-16-01-1
Chemical resistant	DIN ISO 9011-4-04-05
Adhesive strength	DIN ISO 9211-4-02-03

UV IR Cut Filter BP 515-270 (UI 515) HT



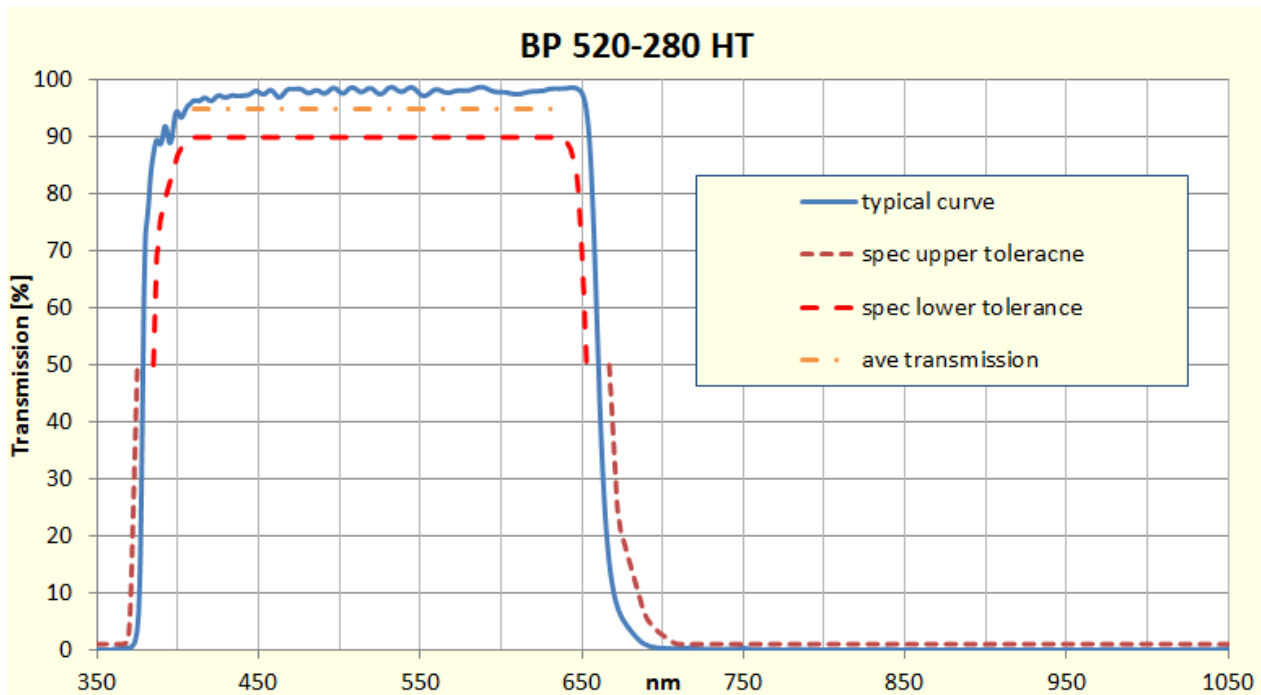
Technical specifications

according to ISO 10110

Angle of incident	0° +/- 8°
Wavelength range	380 +/- 5 nm to 650 +/- 7nm
Transmittance	410 - 630 nm: T _{ave} > 95% 400 - 630 nm: T _{min} > 90%
Blocking	UV - 365 nm: T _{abs} < 1.0% 700 - 1050 nm: T _{abs} < 0.5%
AR Coating	ULR

unmounted	filter glass	ID	mounted	filter	ID
19 mm	IFG BP 515-270 HT 19,0 2-0001	1082556	CMT	IF BP 515-270 HT CMT	
27 mm	IFG BP 515-270 HT 27,0 2-0001	1082557	SH 25.5	IF BP 515-270 HT SH 25.5	
34 mm	IFG BP 515-270 HT 34,0 2-0001	1082559	SH 27.0	IF BP 515-270 HT SH 27.0	
43 mm	IFG BP 515-270 HT 43,0 2-0001	1082560	SN1 30.5	IF BP 515-270 HT SN1 30.5	
55 mm	IFG BP 515-270 HT 55,0 2-0001	1082561	SH 35.5	IF BP 515-270 HT SH 35.5	
64 mm	IFG BP 515-270 HT 64,0 2-0001	1082562	SH 37.0	IF BP 515-270 HT SH 37.0	
			SH 40.5	IF BP 515-270 HT SH 40.5	
			SH 52.0	IF BP 515-270 HT SH 52.0	

UV IR Cut Filter BP 520-280 HT



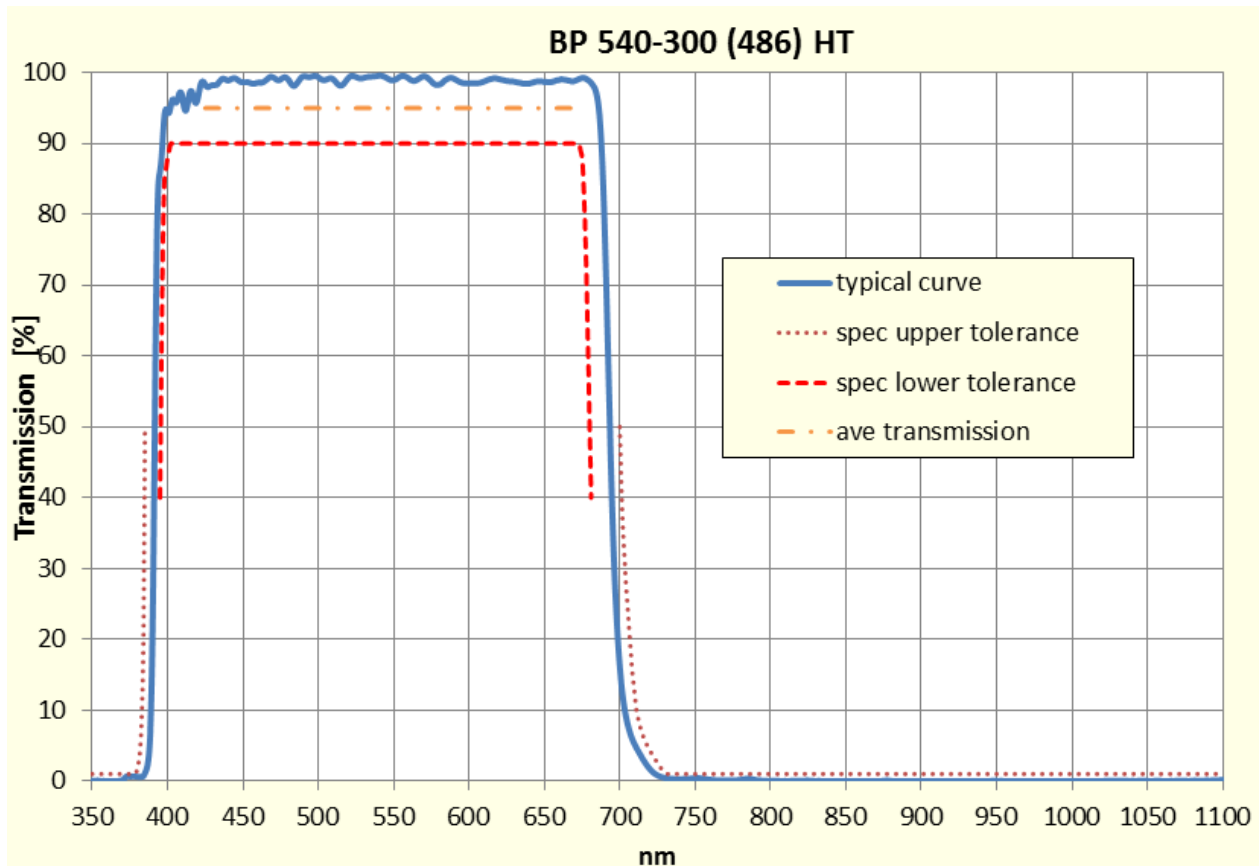
Technical specifications

according to ISO 10110

Angle of incident	0° +/- 8°
Wavelength range	380 +/- 5 nm to 660 +/- 7nm
Transmittance	410 - 640 nm: T _{ave} > 95% 410 - 640 nm: T _{min} > 90%
Blocking	UV - 365 nm: T _{abs} < 1.0% 710 - 1050 nm: T _{abs} < 1.5%
AR coating	ULR

unmounted	filter glass	ID	mounted	filter	ID
19 mm	IFG BP 520-280 HT 19,0 2-0001	1082564	CMT	IF BP 520-280 HT CMT	
27 mm	IFG BP 520-280 HT 27,0 2-0001	1082565	SH 25.5	IF BP 520-280 HT SH 25.5	
34 mm	IFG BP 520-280 HT 34,0 2-0001	1082566	SH 27.0	IF BP 520-280 HT SH 27.0	
43 mm	IFG BP 520-280 HT 43,0 2-0001	1082567	SN1 30.5	IF BP 520-280 HT SN1 30.5	
55 mm	IFG BP 520-280 HT 55,0 2-0001	1082568	SH 35.5	IF BP 520-280 HT SH 35.5	
64 mm	IFG BP 520-280 HT 64,0 2-0001	1082569	SH 37.0	IF BP 520-280 HT SH 37.0	
			SH 40.5	IF BP 520-280 HT SH 40.5	
			SH 52.0	IF BP 520-280 HT SH 52.0	

UV IR Cut Filter BP 540-300 (486) HT



Technical specifications

according to ISO 10110

Angle of incident	0° +/-8°
Wavelength range	390 +/- 5 nm to 690 +/- 7nm
Transmittance	425 - 670 nm: T _{ave} > 95% 405 - 670 nm: T _{min} > 90%
Blocking	UV - 450 nm: T < 0.5% 735 - 1100 nm: T _{ave} < 0.5% 735 - 1100 nm: T _{min} < 1.0%
AR coating	ULR

unmounted	filter glass	ID	mounted	filter	ID
19 mm	IFG BP 540-300 (486) HT 19,0 2-0001	1082456	CMT	IF BP 540-300 (486) HT CMT	
27 mm	IFG BP 540-300 (486) HT 27,0 2-0001	1082457	SH 25.5	IF BP 540-300 (486) HT SH 25.5	
34 mm	IFG BP 540-300 (486) HT 34,0 2-0001	1082458	SH 27.0	IF BP 540-300 (486) HT SH 27.0	
43 mm	IFG BP 540-300 (486) HT 43,0 2-0001	1082459	SN1 30.5	IF BP 540-300 (486) HT SN1 30.5	
55 mm	IFG BP 540-300 (486) HT 55,0 2-0001	1082460	SH 35.5	IF BP 540-300 (486) HT SH 35.5	
64 mm	IFG BP 540-300 (486) HT 64,0 2-0001	1082461	SH 37.0	IF BP 540-300 (486) HT SH 37.0	
			SH 40.5	IF BP 540-300 (486) HT SH 40.5	
			SH 52.0	IF BP 540-300 (486) HT SH 52.0	

UV IR Cut Filter

Next to the standard sizes we offer more on request. Schneider-Kreuznach provides professional highly accurate μ water jet cutting capability. This technology allows cutting almost any needed shape. More mounted diameters are available for high volume on request.

See also Schneider-Kreuznach bandpass filters.

