

Longpass Filters



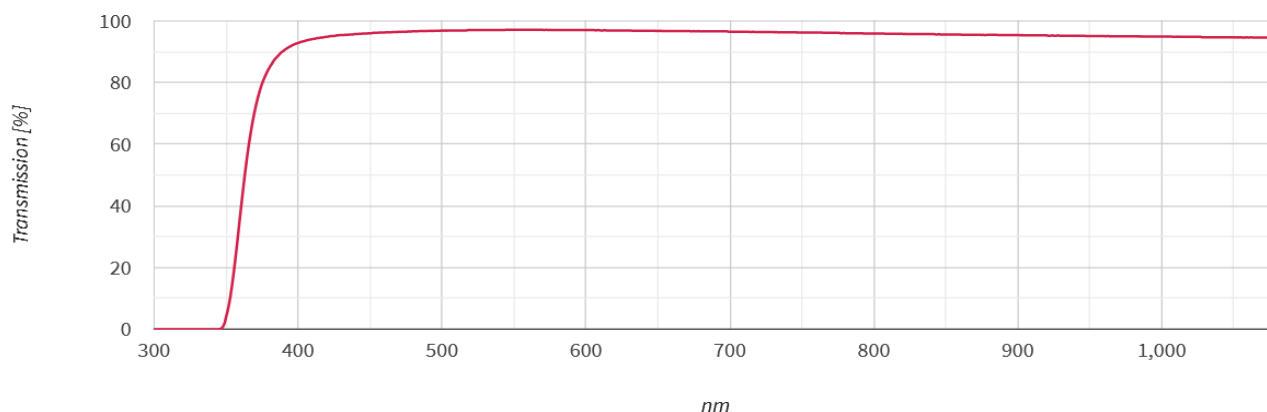
Schneider-Kreuznach magnetron sputtered industrial longpass filters impress with steep slopes and high transmission at stable cut-on wavelengths. The very flat surface makes them ideal for high end machine vision systems in factory automation. All longpass filters come with superior antireflection coating. Schneider-Kreuznach longpass filters are RoHS conform. Custom sizes are available on request.



Key features	Applications
• Average transmittance 95% • Steep slopes • Wavelength tolerance of interference filters +/- 1% • Ultra low reflection • Deep blocking / High optical density	• Metrology • 3D Measurement • Food and beverage inspection • Automotive • Security and surveillance

Standard Products		available on request	
Name	Description	Name	Description
LP 365 (010)	UV-Cut >365 nm	LP 400 HT	Longpass > 400 nm
LP 430 HT	Longpass > 430 nm	LP 460 HT	Longpass > 460 nm
LP 600 (090)	absorption filter - Light Red	LP 495 HT	Longpass > 495 nm
LP 625 (091)	absorption filter - Red	LP 515 HT	Longpass > 515 nm
LP 695 (092)	absorption filter - Dark Red	LP 530 HT	Longpass > 530 nm
LP 765 HT	Longpass > 765 nm	LP 565 HT	Longpass > 565 nm
LP 775 (098)	absorption filter - NIR Pass	LP 590 HT	Longpass > 590 nm
LP 820 HT	Longpass > 820 nm	LP 610 HT	Longpass > 610 nm
LP 825 (093)	absorption filter - Black Red	LP 630 HT	Longpass > 630 nm
LP 900 HT	Longpass > 900 nm	LP 695 HT	Longpass > 695 nm
		LP 725 HT	Longpass > 725 nm
		LP 780 HT	Longpass > 780 nm
		LP 850 HT	Longpass > 850 nm

Longpass 365 (010)



Technical specifications	according to ISO 10110
Cut-on wavelength	365 +/- 10nm
Transmittance	> 365 nm: $T_{abs} > 90\%$
Blocking	< 365 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	$\varnothing > 18 - 30 \text{ mm: } 13/1(0.25)$ $\varnothing > 30 - 50 \text{ mm: } 13/1(0.30)$
Glass Thickness	2.0 +/- 0.2mm

Mounted Filter			Unmounted Filterglass		
IF 010 E Mount Thickness			IFG 010 E Diameter thickness		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1076068	22.0 mm	2mm	1091133
SH 25.5	2mm	1001900	23.0 mm	2mm	1098411
SH 27.0	2mm	1001899	24.0 mm	2mm	ID to be defined
SN1 30.5	2mm	1007002	29.0 mm	2mm	ID to be defined
SH 34.0	2mm	1003042	31.0 mm	2mm	ID to be defined
SH 35.5	2mm	1005746	33.0 mm	2mm	ID to be defined
SH 37.0	2mm	1005747	34.0 mm	2mm	1077197
SH 39.0	2mm	1036351	36.0 mm	2mm	1080526
SH 40.5	2mm	1001898	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	1001897	40.0 mm	2mm	1077198
SH 46.0	2mm	1008984	43.0 mm	2mm	1077199
SH 49.0	2mm	1001896	46.0 mm	2mm	1053798

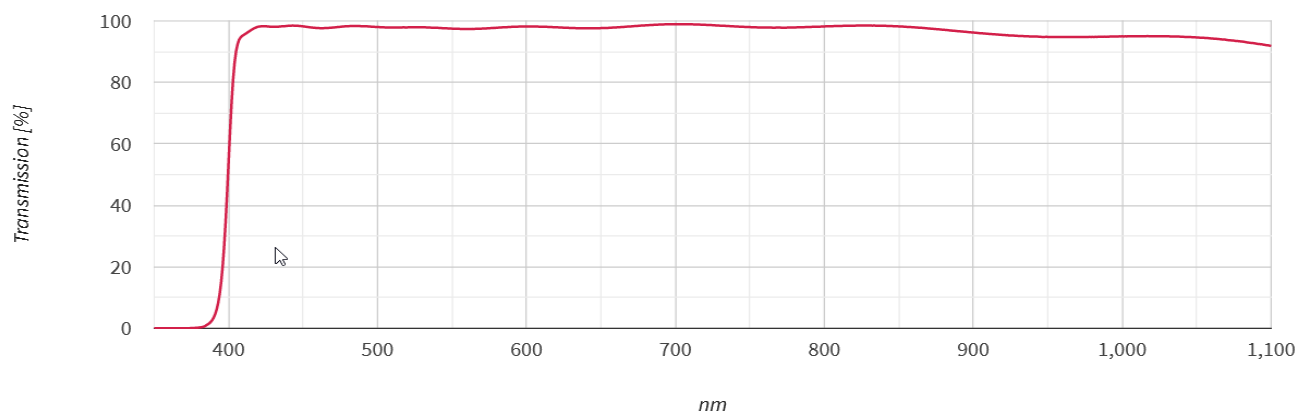
Custom sizes are available on request.

Example: IF 010 E SH 25.5 2

Custom sizes are available on request.

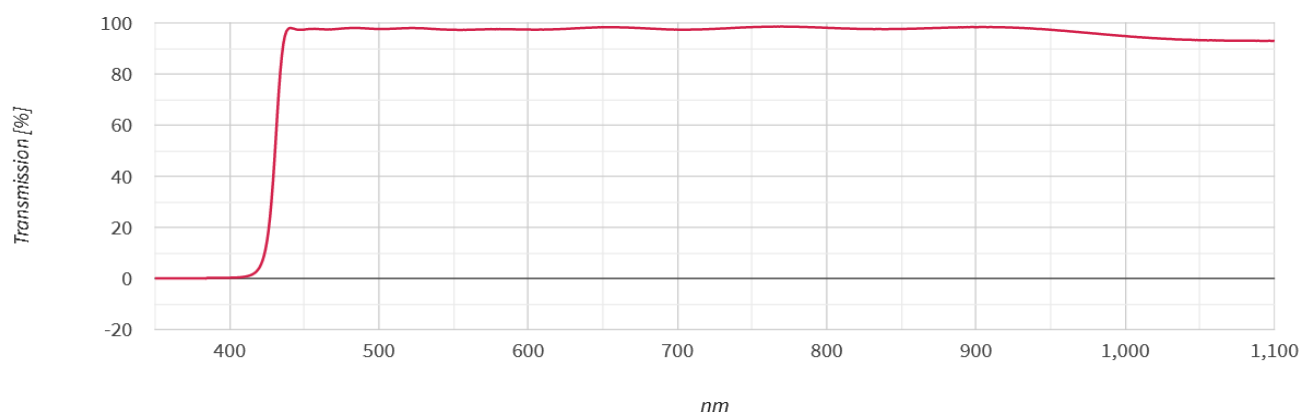
Example: IFG 010 E 23.0 2

Longpass 400 HT - on request



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	400 +/- 5nm
Transmittance	415 - 950 nm: $T_{abs} > 90\%$
	415 - 950 nm: $T_{ave} > 95\%$
Blocking	<370 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø >18 - 30 mm: 13/ 1(0.25)
	Ø >30 - 50 mm: 13/ 1(0.30)

Longpass 430 HT



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	430 +/- 5nm
Transmittance	445 - 950 nm: $T_{abs} > 90\%$
	445 - 950 nm: $T_{ave} > 95\%$
Blocking	< 400 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)
Glass Thickness	1.0 +/- 0.08 mm
	2.0 +/- 0.08 mm

Mounted Filter			Unmounted Filterglass		
IF LP 430 HT Mount Thickness			IFG LP 430 HT Diameter thickness		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1091644	22.0 mm	2mm	ID to be defined
CMT	1mm	ID to be defined	22.0 mm	1mm	ID to be defined
SH 25.5	2mm	1085698	23.0 mm	2mm	ID to be defined
SH 25.5	1mm	On request only	23.0 mm	1mm	On request only
SH 27.0	2mm	1094891	24.0 mm	2mm	ID to be defined
SH 27.0	1mm	On request only	24.0 mm	1mm	On request only
SN1 30.5	2mm	1091135	29.0 mm	2mm	ID to be defined
SN1 30.5	1mm	On request only	29.0 mm	1mm	On request only
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 34.0	1mm	On request only	31.0 mm	1mm	On request only
SH 35.5	2mm	1091104	33.0 mm	2mm	ID to be defined
SH 35.5	1mm	On request only	33.0 mm	1mm	On request only
SH 37.0	2mm	1089824	34.0 mm	2mm	1082489
SH 37.0	1mm	On request only	34.0 mm	1mm	ID to be defined
SH 39.0	2mm	ID to be defined	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1087681	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	1097770	40.0 mm	2mm	ID to be defined
SH 46.0	2mm	1095665	43.0 mm	2mm	1082490
SH 49.0	2mm	1095666	46.0 mm	2mm	ID to be defined

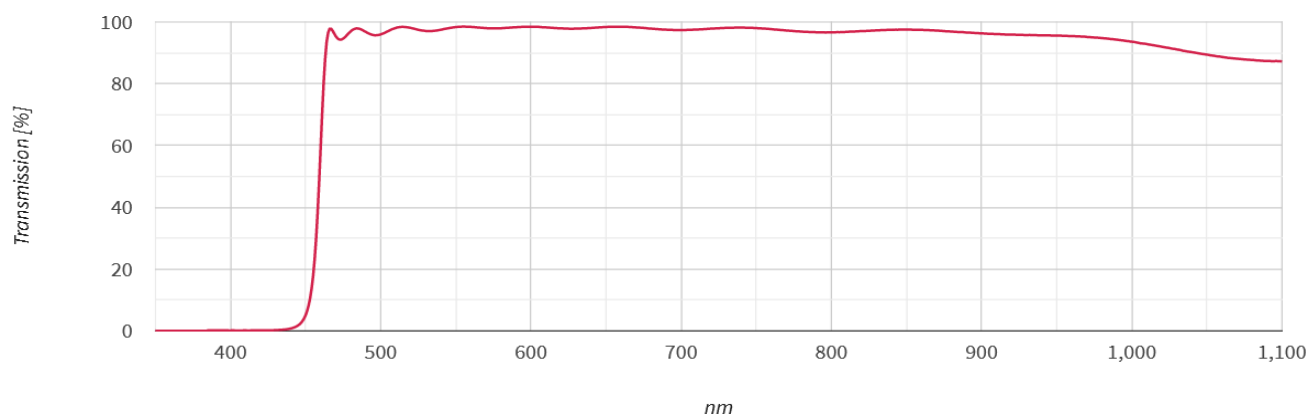
Custom sizes are available on request.

Example: IF LP 430 HT SH 25.5 2

Custom sizes are available on request.

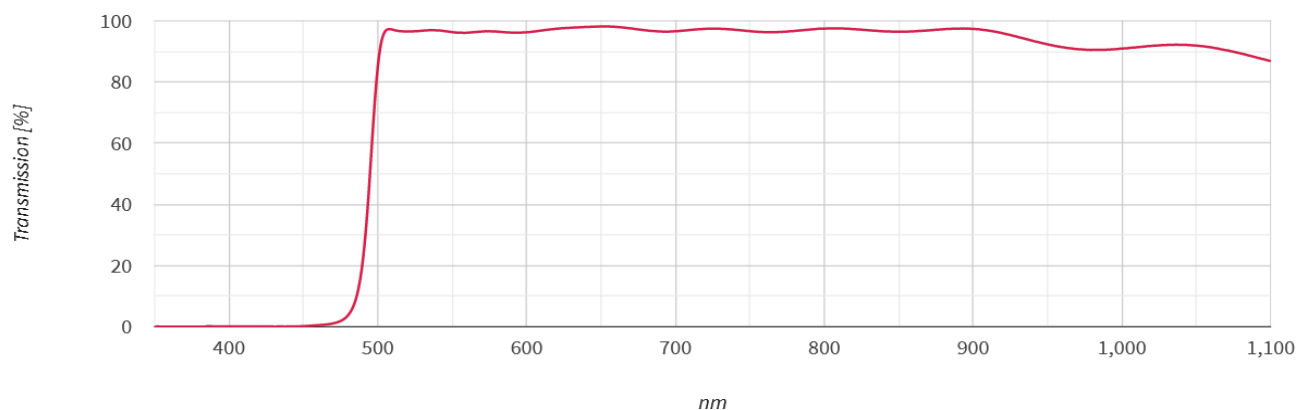
Example: IFG LP 430 HT 23.0 2

Longpass 460 HT - on request



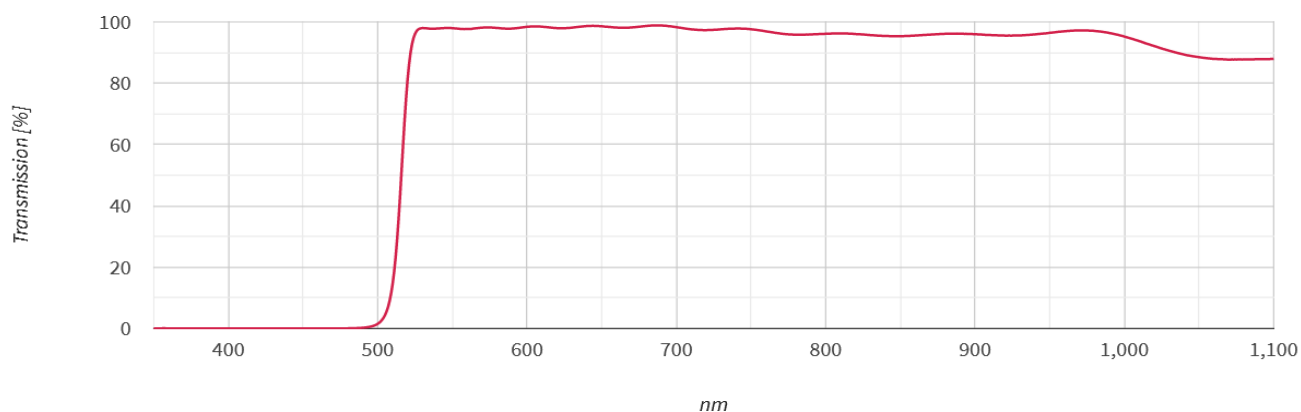
Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	460 +/- 5nm
Transmittance	475 - 980 nm: $T_{abs} > 90\%$
	475 - 980 nm: $T_{ave} > 95\%$
Blocking	< 430 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 495 HT - on request



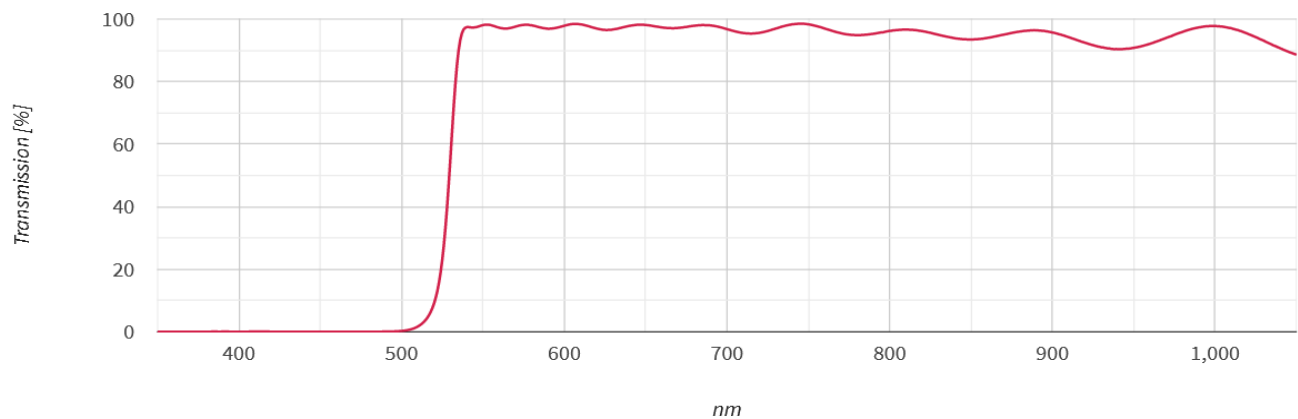
Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	495 +/- 5nm
Transmittance	515 - 900 nm: T _{abs} > 90%
	515 - 900 nm: T _{ave} > 95%
Blocking	< 450 nm: T _{abs} < 0.5%
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 515 HT - on request



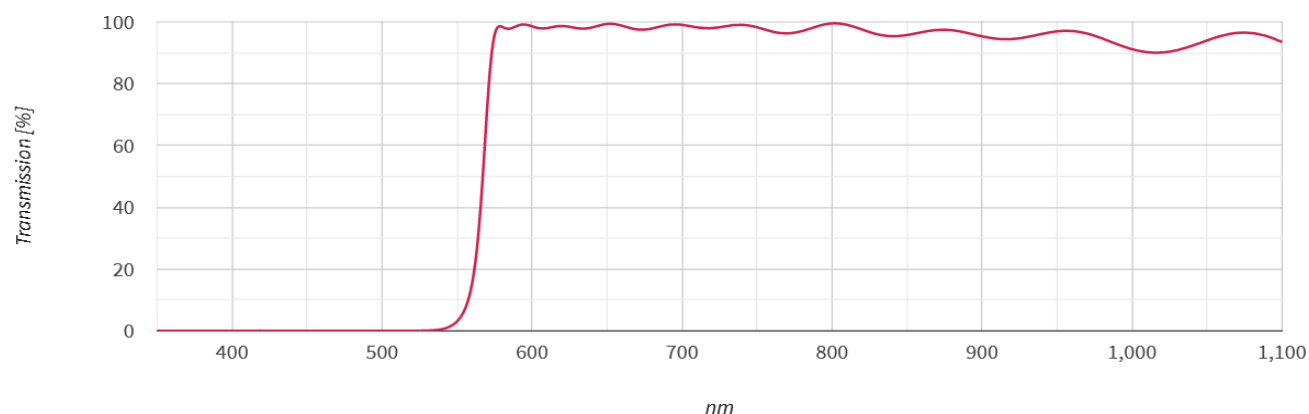
Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	515 +/- 5 nm
Transmittance	540 - 900 nm: $T_{abs} > 90\%$
	540 - 900 nm: $T_{ave} > 95\%$
Blocking	< 475 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 530 HT - on request



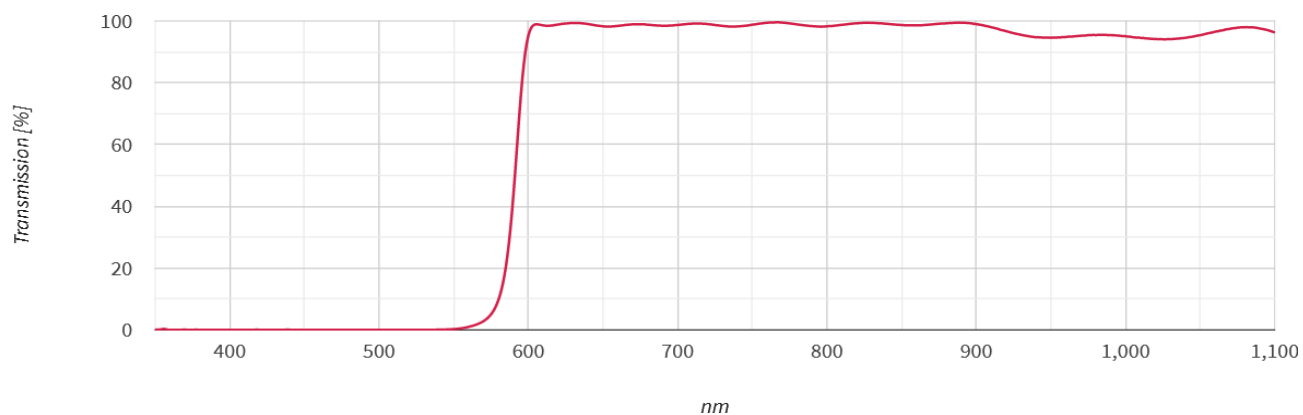
Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	530 +/- 6 nm
Transmittance	550 - 900 nm: $T_{abs} > 90\%$
	550 - 900 nm: $T_{ave} > 95\%$
Blocking	< 490 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 565 HT - on request



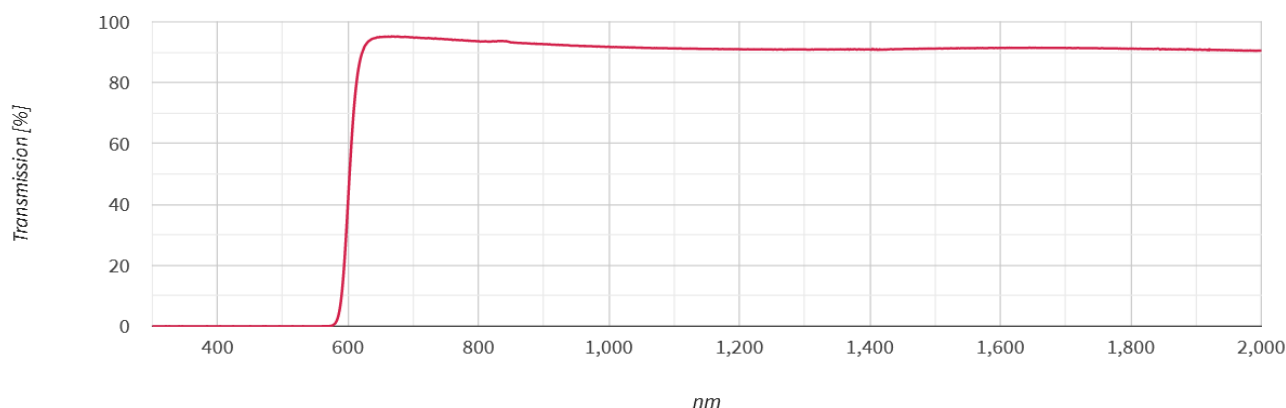
Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	565 +/- 6 nm
Transmittance	585 - 950 nm: $T_{abs} > 90\%$
	585 - 950 nm: $T_{ave} > 95\%$
Blocking	< 530 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 590 HT - on request



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	590 +/- 6 nm
Transmittance	610 - 900 nm: $T_{abs} > 90\%$
	610 - 900 nm: $T_{ave} > 95\%$
Blocking	< 535 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 600 (090) - absorption filter



Technical specifications	according to ISO 10110
Cut-on wavelength	600 +/- 10nm
Transmittance	> 625 nm: $T_{abs} > 90\%$
Blocking	< 580 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	$\varnothing > 18 - 30$ mm: 13/ 1(0.25) $\varnothing > 30 - 50$ mm: 13/ 1(0.30)
Glass Thickness	2.0 +/- 0.2mm

Mounted Filter			Unmounted Filterglass		
IF 090 E Mount Thickness			IFG 090 E Diameter thickness		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1075131	22.0 mm	2mm	ID to be defined
SH 25.5	2mm	1001925	23.0 mm	2mm	ID to be defined
SH 27.0	2mm	1001926	24.0 mm	2mm	ID to be defined
SN1 30.5	2mm	1006803	29.0 mm	2mm	ID to be defined
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 35.5	2mm	1088504	33.0 mm	2mm	ID to be defined
SH 37.0	2mm	1007824	34.0 mm	2mm	1070023
SH 39.0	2mm	ID to be defined	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1006413	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	1007006	40.0 mm	2mm	ID to be defined
SH 46.0	2mm	1086638	43.0 mm	2mm	1070026
SH 49.0	2mm	1001928	46.0 mm	2mm	ID to be defined

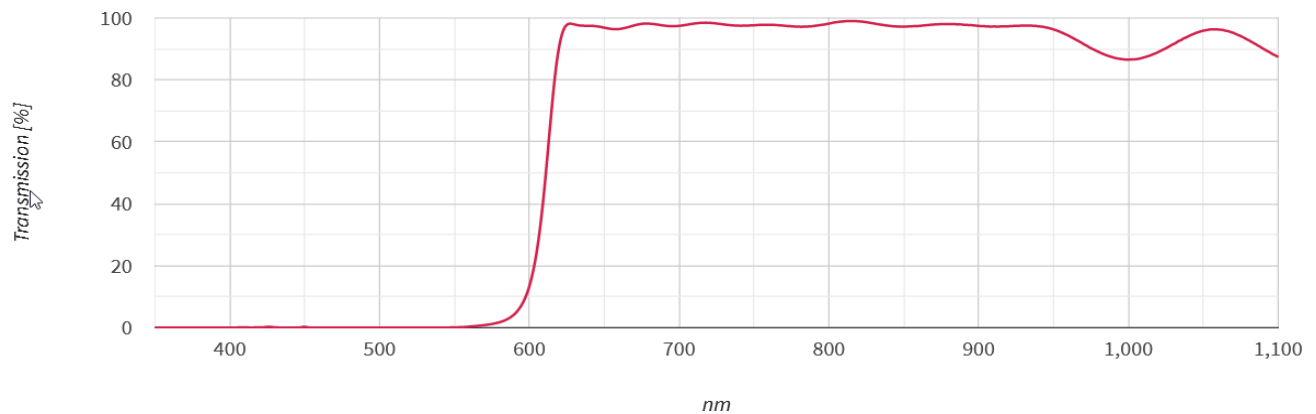
Custom sizes are available on request.

Example: IF 090 E SH 25.5 2

Custom sizes are available on request.

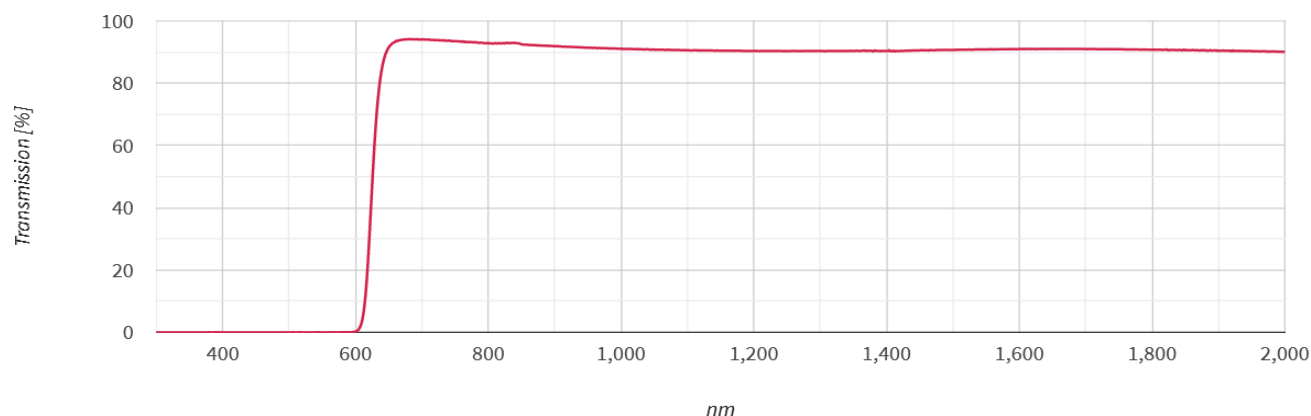
Example: IFG 090 E 23.0 2

Longpass 610 HT - on request



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	610 +/- 6 nm
Transmittance	630 - 950 nm: $T_{abs} > 90\%$
	630 - 950 nm: $T_{ave} > 95\%$
Blocking	< 550 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 625 (091) - absorption filter



Technical specifications	according to ISO 10110
Cut-on wavelength	625 +/- 10nm
Transmittance	> 650 nm: $T_{abs} > 90\%$
Blocking	< 600 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	$\varnothing > 18 - 30$ mm: 13/ 1(0.25) $\varnothing > 30 - 50$ mm: 13/ 1(0.30)
Glass Thickness	2.0 +/- 0.2mm

Mounted Filter			Unmounted Filterglass		
IF 091 E Mount Thickness			IFG 091 E Diameter thickness		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1019307	22.0 mm	2mm	1089130
SH 25.5	2mm	1005596	23.0 mm	2mm	ID to be defined
SH 27.0	2mm	1001929	24.0 mm	2mm	ID to be defined
SN1 30.5	2mm	1006992	29.0 mm	2mm	ID to be defined
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 35.5	2mm	1069330	33.0 mm	2mm	ID to be defined
SH 37.0	2mm	1001930	34.0 mm	2mm	1070033
SH 39.0	2mm	1075420	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1001931	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	1001932	40.0 mm	2mm	ID to be defined
SH 46.0	2mm	1075137	43.0 mm	2mm	1070034
SH 49.0	2mm	1006993	46.0 mm	2mm	1074347

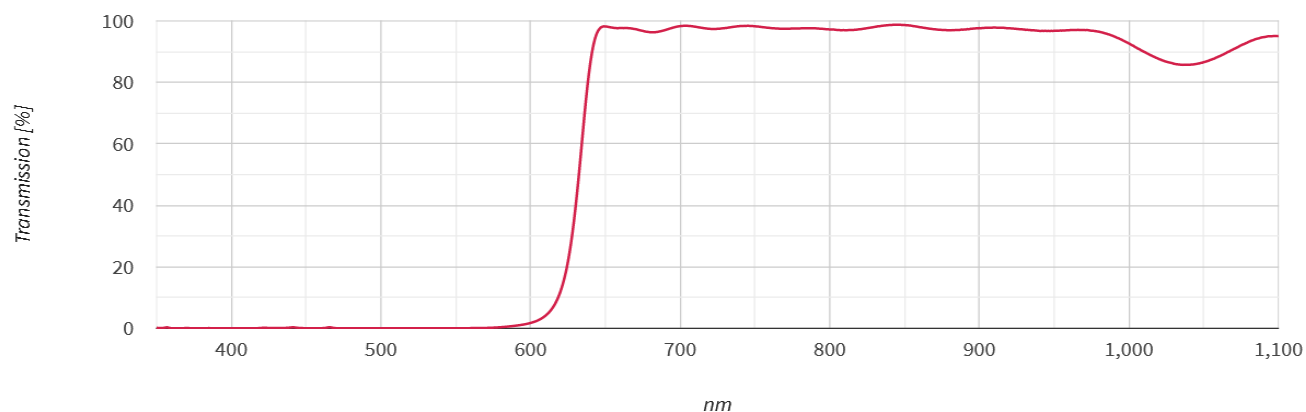
Custom sizes are available on request.

Example: IF 091 E SH 25.5 2

Custom sizes are available on request.

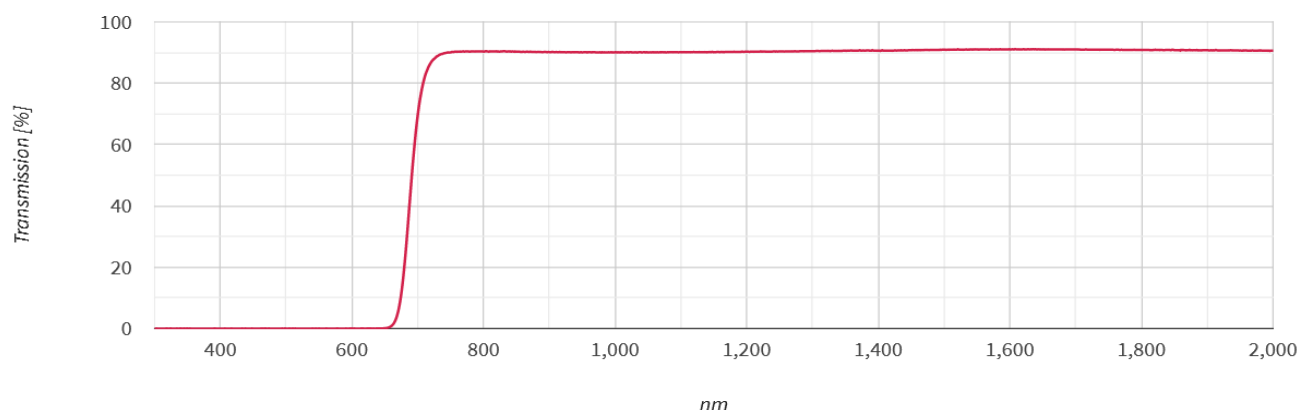
Example: IFG 091E 23.0 2

Longpass 630 HT - on request



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	630 +/- 6 nm
Transmittance	650 - 950 nm: $T_{abs} > 90\%$
	650 - 950 nm: $T_{ave} > 95\%$
Blocking	< 570 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 695 (092) - absorption filter



Technical specifications	according to ISO 10110
Cut-on wavelength	695 +/- 10nm
Transmittance	> 715 nm: $T_{abs} > 90\%$
Blocking	< 660 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	$\varnothing > 18 - 30$ mm: 13/ 1(0.25) $\varnothing > 30 - 50$ mm: 13/ 1(0.30)
Glass Thickness	2.0 +/- 0.2mm

Mounted Filter			Unmounted Filterglass		
IF 092 Mount Thickness			IFG 092 Diameter thickness		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1010766	22.0 mm	2mm	ID to be defined
SH 25.5	2mm	1003043	23.0 mm	2mm	ID to be defined
SH 27.0	2mm	1001905	24.0 mm	2mm	ID to be defined
SN1 30.5	2mm	1006003	29.0 mm	2mm	ID to be defined
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 35.5	2mm	1072562	33.0 mm	2mm	ID to be defined
SH 37.0	2mm	1007825	34.0 mm	2mm	1069355
SH 39.0	2mm	ID to be defined	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1001906	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	1053780	40.0 mm	2mm	1088664
SH 46.0	2mm	1009450	43.0 mm	2mm	1096672
SH 49.0	2mm	1007826	46.0 mm	2mm	ID to be defined

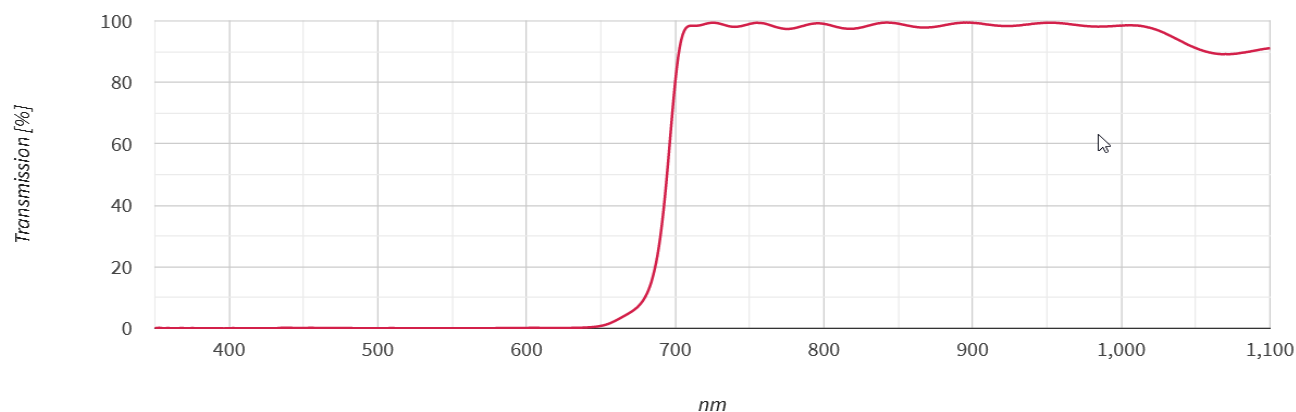
Custom sizes are available on request.

Example: IF 092 SH 25.5 2

Custom sizes are available on request.

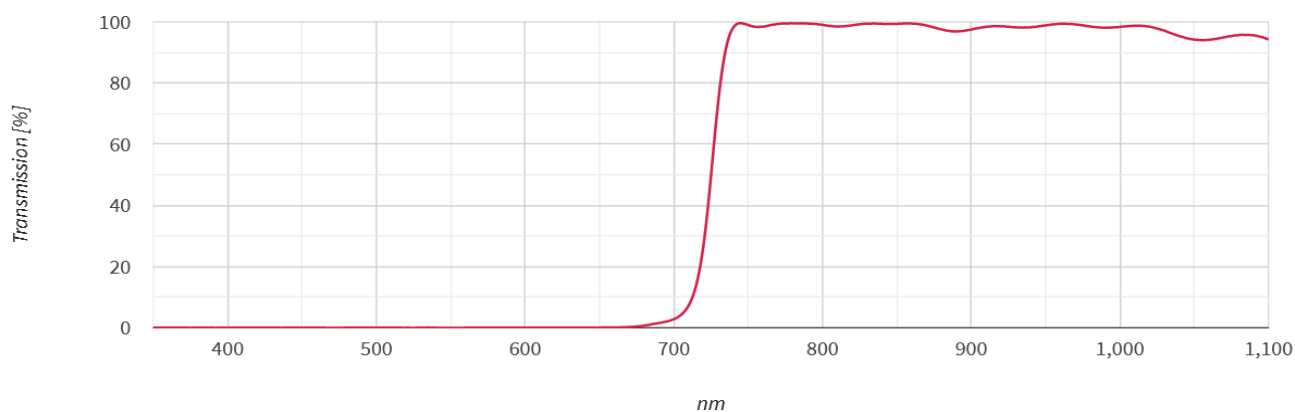
Example: IFG 092 23.0 2

Longpass 695 HT - on request



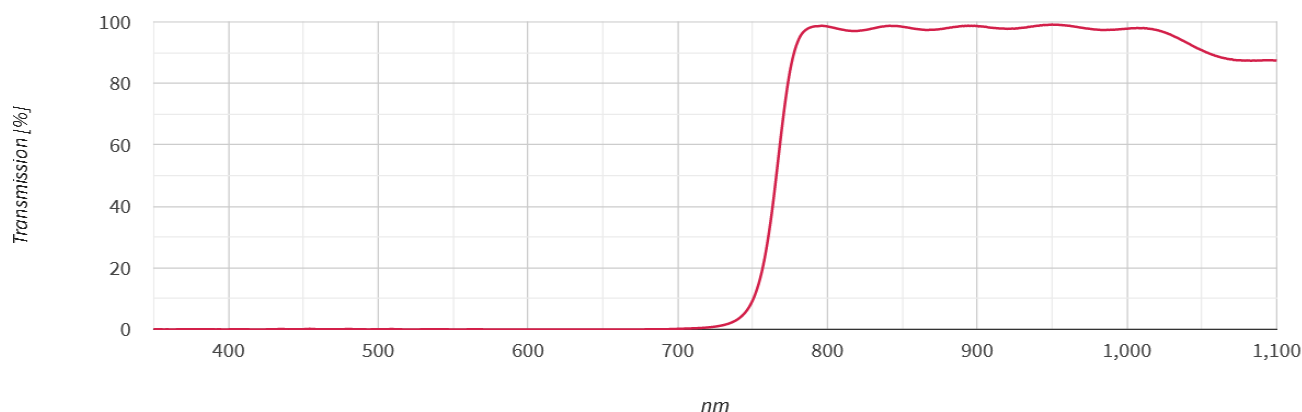
Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	695 +/- 7 nm
Transmittance	715 - 1000 nm: $T_{abs} > 90\%$
	715 - 1000 nm: $T_{ave} > 95\%$
Blocking	< 635 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 725 HT - on request



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	725 +/- 8 nm
Transmittance	750 - 1050 nm: $T_{abs} > 90\%$
	750 - 1050 nm: $T_{ave} > 95\%$
Blocking	< 670 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 765 HT



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	765 +/- 8 nm
Transmittance	> 790 - 1000 nm: T _{abs} > 90%
	> 790 - 1000 nm: T _{ave} > 95%
Blocking	< 710 nm: T _{abs} < 0.5%
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)
Glass Thickness	1.0 +/- 0.08 mm
	2.0 +/- 0.08 mm

Mounted Filter			Unmounted Filterglass		
IF LP 765 HT Mount Thickness			IFG LP 765 HT Diameter thickness		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1097873	22.0 mm	2mm	ID to be defined
CMT	1mm	ID to be defined	22.0 mm	1mm	ID to be defined
SH 25.5	2mm	1099647	23.0 mm	2mm	ID to be defined
SH 25.5	1mm	On request only	23.0 mm	1mm	On request only
SH 27.0	2mm	1098705	24.0 mm	2mm	ID to be defined
SH 27.0	1mm	On request only	24.0 mm	1mm	On request only
SN1 30.5	2mm	1085795	29.0 mm	2mm	ID to be defined
SN1 30.5	1mm	On request only	29.0 mm	1mm	On request only
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 34.0	1mm	On request only	31.0 mm	1mm	On request only
SH 35.5	2mm	1086473	33.0 mm	2mm	ID to be defined
SH 35.5	1mm	On request only	33.0 mm	1mm	On request only
SH 37.0	2mm	1085796	34.0 mm	2mm	1085347
SH 37.0	1mm	On request only	34.0 mm	1mm	ID to be defined
SH 39.0	2mm	ID to be defined	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1087682	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	ID to be defined	40.0 mm	2mm	ID to be defined
SH 46.0	2mm	1086640	43.0 mm	2mm	1085348
SH 49.0	2mm	ID to be defined	46.0 mm	2mm	ID to be defined

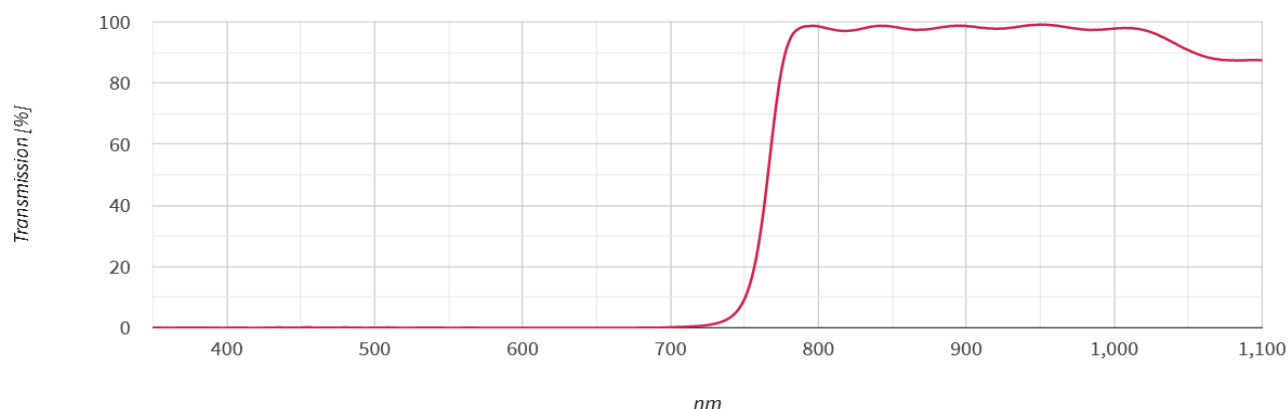
Custom sizes are available on request.

Example: IF LP 765 HT SH 25.5 2

Custom sizes are available on request.

Example: IFG LP 765 HT 23.0 2

Longpass 775 (098) - absorption filter



Technical specifications	according to ISO 10110
Cut-on wavelength	775 +/- 10nm
Transmittance	> 845 nm: $T_{abs} > 90\%$
Blocking	< 710 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	$\varnothing > 18 - 30$ mm: 13/ 1(0.25) $\varnothing > 30 - 50$ mm: 13/ 1(0.30)
Glass Thickness	2.0 +/- 0.2mm

Mounted Filter			Unmounted Filterglass		
IF 098 Mount Thickness			IFG 098 Diameter thickness		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1010767	22.0 mm	2mm	ID to be defined
SH 25.5	2mm	1006415	23.0 mm	2mm	ID to be defined
SH 27.0	2mm	1004073	24.0 mm	2mm	ID to be defined
SN1 30.5	2mm	1006982	29.0 mm	2mm	ID to be defined
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 35.5	2mm	1057007	33.0 mm	2mm	ID to be defined
SH 37.0	2mm	1053771	34.0 mm	2mm	1069332
SH 39.0	2mm	1085922	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1004074	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	1011653	40.0 mm	2mm	ID to be defined
SH 46.0	2mm	1005531	43.0 mm	2mm	ID to be defined
SH 49.0	2mm	1009103	46.0 mm	2mm	ID to be defined

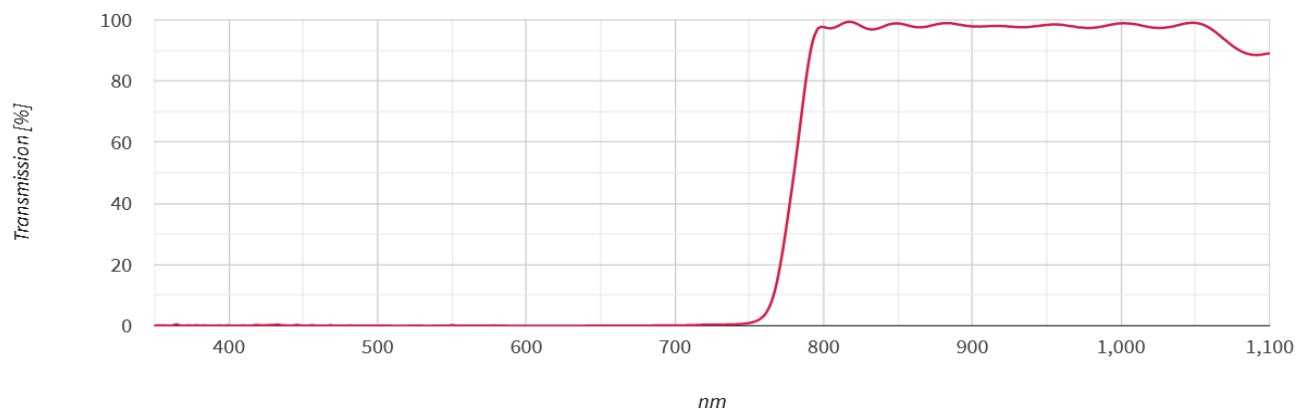
Custom sizes are available on request.

Example: IF 098 SH 25.5 2

Custom sizes are available on request.

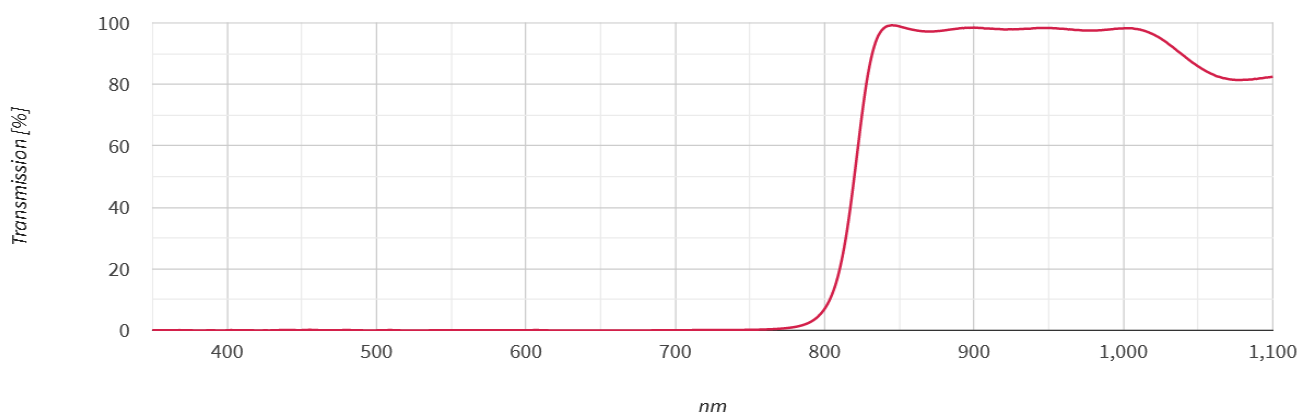
Example: IFG 098 23.0 2

Longpass 780 HT - on request



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	780 +/- 8 nm
Transmittance	805 - 1050 nm: $T_{abs} > 90\%$
	805 - 1050 nm: $T_{ave} > 95\%$
Blocking	< 735 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 820 HT



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	820 +/- 8 nm
Transmittance	> 840 - 1010 nm: $T_{abs} > 90\%$
	> 840 - 1010 nm: $T_{ave} > 95\%$
Blocking	< 760 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)
Glass Thickness	1.0 +/- 0.08 mm
	2.0 +/- 0.08 mm

Mounted Filter			Unmounted Filterglass		
IF LP 820 HT <i>Mount Thickness</i>			IFG LP 820 HT <i>Diameter thickness</i>		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1090467	22.0 mm	2mm	ID to be defined
CMT	1mm	ID to be defined	22.0 mm	1mm	ID to be defined
SH 25.5	2mm	1087228	23.0 mm	2mm	ID to be defined
SH 25.5	1mm	On request only	23.0 mm	1mm	On request only
SH 27.0	2mm	1086965	24.0 mm	2mm	1086725
SH 27.0	1mm	On request only	24.0 mm	1mm	On request only
SN1 30.5	2mm	1088115	29.0 mm	2mm	ID to be defined
SN1 30.5	1mm	On request only	29.0 mm	1mm	On request only
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 34.0	1mm	On request only	31.0 mm	1mm	On request only
SH 35.5	2mm	1090486	33.0 mm	2mm	ID to be defined
SH 35.5	1mm	On request only	33.0 mm	1mm	On request only
SH 37.0	2mm	1085793	34.0 mm	2mm	1084183
SH 37.0	1mm	On request only	34.0 mm	1mm	ID to be defined
SH 39.0	2mm	ID to be defined	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1090151	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	1091456	40.0 mm	2mm	ID to be defined
SH 46.0	2mm	1086642	43.0 mm	2mm	1084184
SH 49.0	2mm	1091457	46.0 mm	2mm	ID to be defined

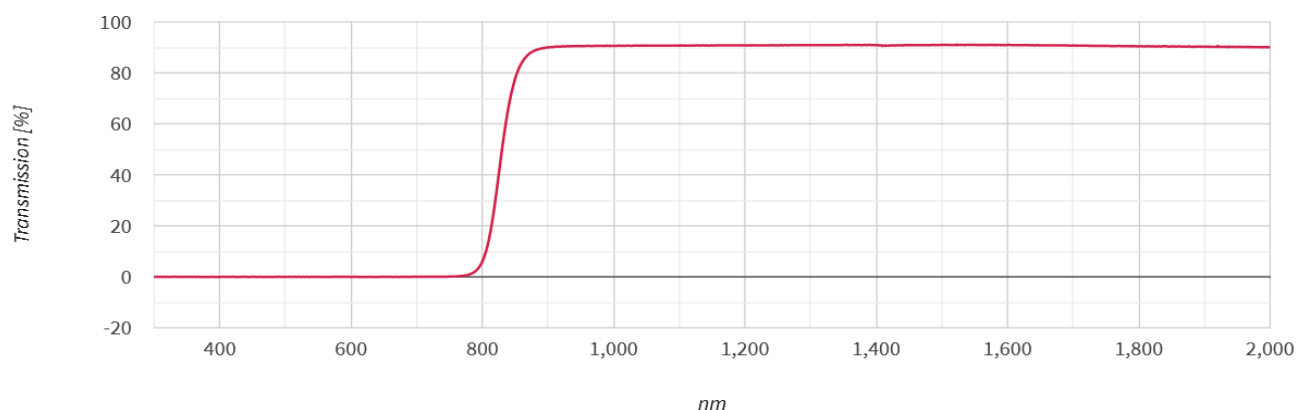
Custom sizes are available on request.

Example: IF LP 820 HT SH 25.5 2

Custom sizes are available on request.

Example: IFG LP 820 HT 23.0 2

Longpass 825 (093) - absorption filter



Technical specifications	according to ISO 10110
Cut-on wavelength	825 +/- 10nm
Transmittance	> 860 nm: $T_{abs} > 90\%$
Blocking	< 770 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	$\varnothing > 18 - 30$ mm: 13/ 1(0.25) $\varnothing > 30 - 50$ mm: 13/ 1(0.30)
Glass Thickness	2.0 +/- 0.2mm

Mounted Filter			Unmounted Filterglass		
IF 093 Mount Thickness			IFG 093 Diameter thickness		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1010765	22.0 mm	2mm	1097776
SH 25.5	2mm	1001907	23.0 mm	2mm	ID to be defined
SH 27.0	2mm	1001908	24.0 mm	2mm	ID to be defined
SN1 30.5	2mm	1001909	29.0 mm	2mm	ID to be defined
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 35.5	2mm	1001946	33.0 mm	2mm	ID to be defined
SH 37.0	2mm	1005749	34.0 mm	2mm	1069351
SH 39.0	2mm	1053776	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1001910	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	1006981	40.0 mm	2mm	1090671
SH 46.0	2mm	1001921	43.0 mm	2mm	ID to be defined
SH 49.0	2mm	1007827	46.0 mm	2mm	ID to be defined

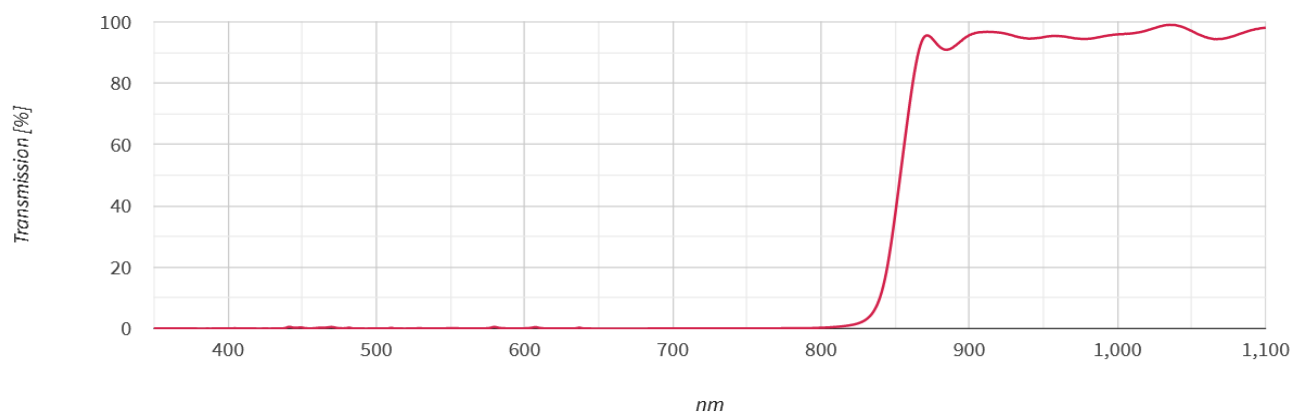
Custom sizes are available on request.

Example: IF 093 SH 25.5 2

Custom sizes are available on request.

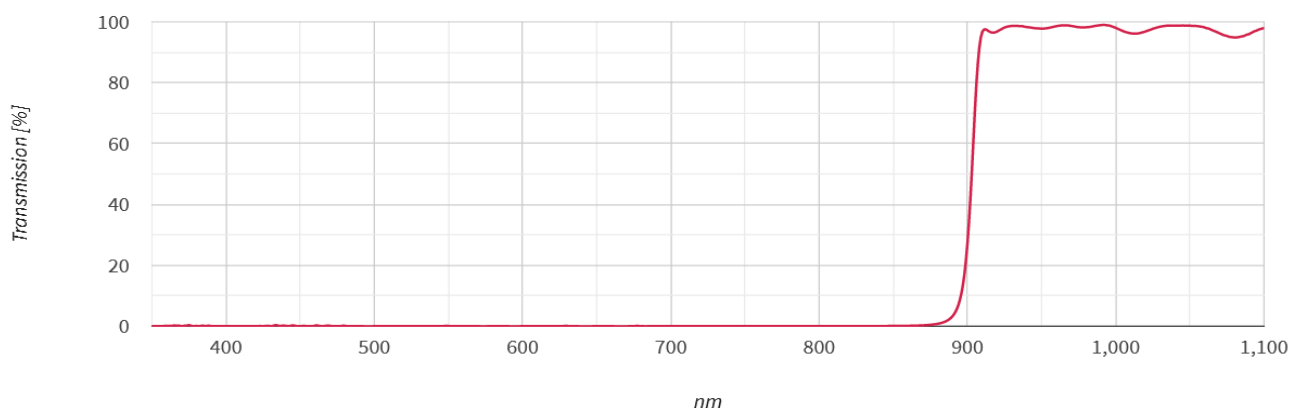
Example: IFG 093 23.0 2

Longpass 850 HT - on request



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	850 +/- 9 nm
Transmittance	875 - 1050 nm: $T_{abs} > 90\%$
	875 - 1050 nm: $T_{ave} > 95\%$
Blocking	< 800 nm: $T_{abs} < 0.5\%$
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)

Longpass 900 HT



Technical specifications	according to ISO 10110
Angle of incident	0° +/- 8°
Cut-on wavelength	900 +/- 10 nm
Transmittance	> 920 - 1100 nm: T _{abs} > 90%
	> 920 - 1100 nm: T _{ave} > 95%
Blocking	< 860 nm: T _{abs} < 1.0%
Parallelism	1'
Wavefront distortion	Ø > 18 - 30 mm: 13/ 1(0.25)
	Ø > 30 - 50 mm: 13/ 1(0.30)
Glass Thickness	1.0 +/- 0.08 mm
	2.0 +/- 0.08 mm

Mounted Filter			Unmounted Filterglass		
IF LP 900 HT <i>Mount Thickness</i>			IFG LP 900 HT <i>Diameter thickness</i>		
Mount	Thickness	ID	Diameter	Thickness	ID
CMT	2mm	1102123	22.0 mm	2mm	ID to be defined
CMT	1mm	ID to be defined	22.0 mm	1mm	ID to be defined
SH 25.5	2mm	ID to be defined	23.0 mm	2mm	ID to be defined
SH 25.5	1mm	On request only	23.0 mm	1mm	On request only
SH 27.0	2mm	ID to be defined	24.0 mm	2mm	1098603
SH 27.0	1mm	On request only	24.0 mm	1mm	On request only
SN1 30.5	2mm	ID to be defined	29.0 mm	2mm	ID to be defined
SN1 30.5	1mm	On request only	29.0 mm	1mm	On request only
SH 34.0	2mm	ID to be defined	31.0 mm	2mm	ID to be defined
SH 34.0	1mm	On request only	31.0 mm	1mm	On request only
SH 35.5	2mm	1100738	33.0 mm	2mm	ID to be defined
SH 35.5	1mm	On request only	33.0 mm	1mm	On request only
SH 37.0	2mm	1100820	34.0 mm	2mm	1088895
SH 37.0	1mm	On request only	34.0 mm	1mm	ID to be defined
SH 39.0	2mm	ID to be defined	36.0 mm	2mm	ID to be defined
SH 40.5	2mm	1093922	38.0 mm	2mm	ID to be defined
SH 43.0	2mm	ID to be defined	40.0 mm	2mm	ID to be defined
SH 46.0	2mm	ID to be defined	43.0 mm	2mm	1088896
SH 49.0	2mm	ID to be defined	46.0 mm	2mm	ID to be defined

Custom sizes are available on request.

Example: IF LP 900 HT SH 25.5 2

Custom sizes are available on request.

Example: IFG LP 900 HT 23.0 2

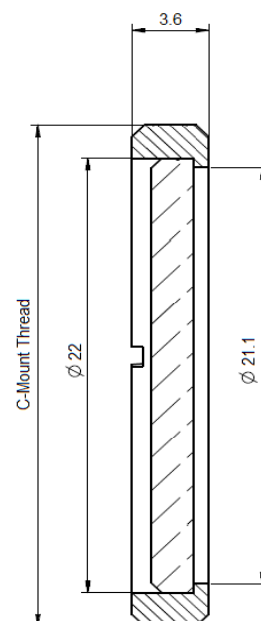
C-Mount

Defined by 1" (25.4mm) diameter and 32 turns per inch pitch, C-Mount thread is a popular camera mount in machine vision industry. Schneider-Kreuznach offers for most filters a CMT mount option. So that filters can go in any C-Mount based mechanics in vision systems. Another popular application, CMT mounts can easily be used for, is placing a filter in front of the sensor into the camera. The extension of the back flange distance has to be considered for imaging applications.

Key features	Applications
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- Fits in C-Mount cameras
- Black Anodized Brass
- To be mounted in C-Mount cameras
- Vision Systems based on C-Mount mechanics

Thread	Diameter	Clear Aperture	Thickness
1" - 32	25.4 mm	21.1 mm	3.6 mm



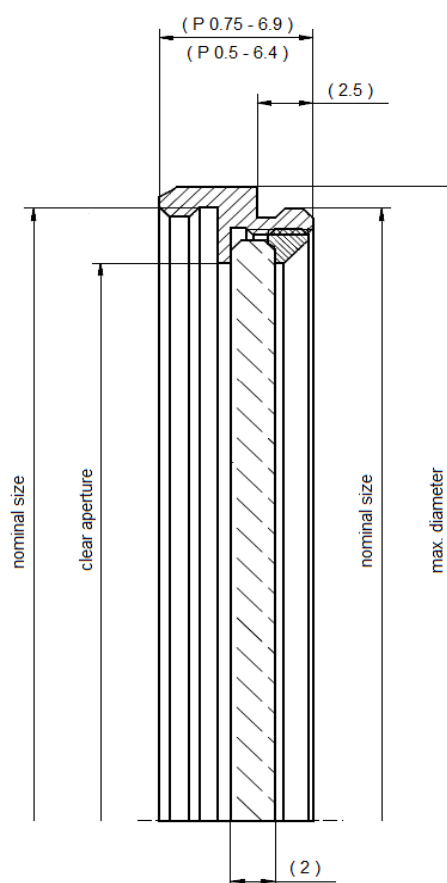
SH-Mount

Schneider-Kreuznach offers a variety of mounts with common thread sizes to fit on most camera lens systems. SH-Mount is the standard, when high flexibility is needed. Filters are held by retainer rings. SH-Mounts are extreme robust. All SH-Mounts have a female and male M-thread, and can be stacked if several filters must be combined.

Key features	Applications
--------------	--------------

- Stackable
- Robust
- Black Anodized Brass
- Mounted on lenses in imaging applications
- Mounted on measurement instruments

Thread	Diameter	Clear Aperture	Thickness
M 25.5x0.5	29.5 mm	20.8 mm	6.4 mm
M 27.0x0.5	31.0 mm	21.8 mm	6.4 mm
M 35.5x0.5	39.5 mm	29.8 mm	6.4 mm
M 37.0x0.75	41.0 mm	31.8 mm	6.9 mm
M 39.0x0.5	43.0 mm	33.8 mm	6.4 mm
M 40.5x0.5	44.5 mm	35.8 mm	6.4 mm
M 43.0x0.75	47.0 mm	37.8 mm	6.9 mm
M 46.0x0.75	50.0 mm	40.8 mm	6.9 mm
M 49.0x0.75	53.0 mm	43.8 mm	6.9 mm
M 52.0x0.75	56.0 mm	46.8 mm	6.9 mm
M 55.0x0.75	59.0 mm	49.8 mm	6.9 mm
M 58.0x0.75	62.0 mm	52.8 mm	6.9 mm
M 62.0x0.75	66.0 mm	56.8 mm	6.9 mm
M 67.0x0.75	71.0 mm	61.8 mm	6.9 mm



SN1-Mount

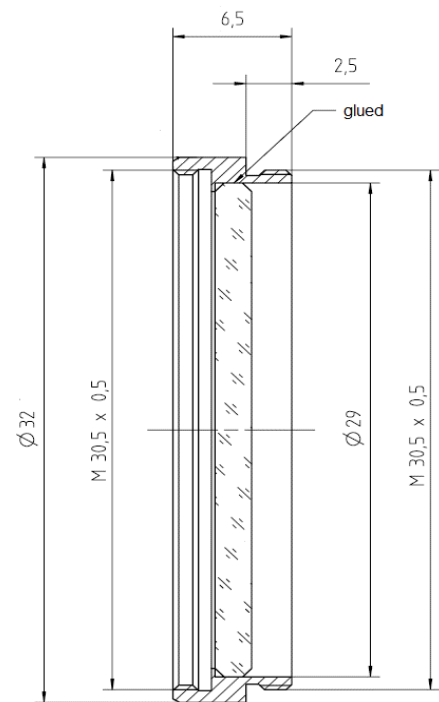
SN1-Mount was designed for in machine vision industry popular M30.5x0.5 thread. With its high clear aperture, vignetting can be avoided, even for wide angle applications. The filter is glued into the mount, in order to secure it against vibrations when integrated into robots or production lines. It is ideal to be used in automated fabrication.

SN1-Mounts have a male and female M-thread, and can be stacked if several filters must be combined.

Key features	Applications
--------------	--------------

- | | |
|--|---|
| <ul style="list-style-type: none"> • Maximum Clear Aperture • No vignetting • Stackable • Robust • Black Anodized Brass | <ul style="list-style-type: none"> • Mounted on lenses in imaging applications • Mounted on measurement instruments |
|--|---|

Thread	Diameter	Clear Aperture	Thickness
M 30.5x0.5	32 mm	28 mm	6.5 mm



SN2-Mount

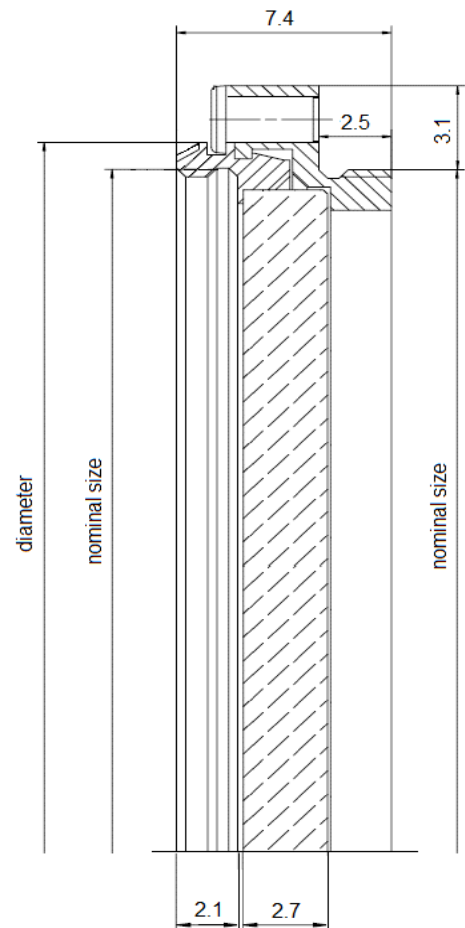
The SN2-Mount is designed for polarizers and achieves highest possible aperture, avoiding vignetting in machine vision systems. Its unique locking mechanism fixes the correct orientation, even in typical industrial environment. The filters are glued into the mount to secure them against vibrations when integrated into robots or production lines. Ideal to be used in automated fabrication.

SN2-Mounts have a female and male M-thread, and can be stacked if several filters must be combined.

Key features	Applications
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- | | |
|--|---|
| <ul style="list-style-type: none"> • Rotatable • High clear Aperture • No vignetting • Stackable • Robust • Black Anodized Brass | <ul style="list-style-type: none"> • Mounted on lenses in imaging applications • Mounted on measurement instruments |
|--|---|

Thread	Diameter	Clear Aperture	Thickness
M 25.5x0.5	27 mm	22.7 mm	7.4 mm
M 27.0x0.5	28.5 mm	23.7 mm	7.4 mm
M 30.5x0.5	32 mm	26.7 mm	7.4 mm
M 35.5 x0.5	37 mm	31.7 mm	7.4 mm
M 37.0x0.75	38.5 mm	32.7 mm	7.4 mm
M 40.5x0.5	42 mm	36.7 mm	7.4 mm
M 43.0x0.75	44.5 mm	37.7 mm	7.4 mm
M 46.0x0.75	47.5 mm	41.7 mm	7.4 mm
M 49.0x0.75	50.5 mm	44.7 mm	7.4 mm



DH-Mount

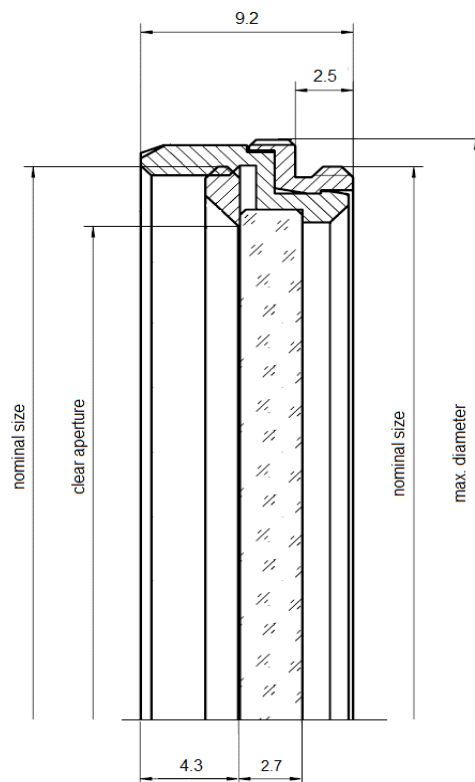
Schneider-Kreuznach offers a variety of mounts for polarizers with common thread sizes to fit on most camera lens systems. The DH-Mount is rotatable to adjust polarization axis in the required orientation. Filters are held by retainer rings.

All DH-Mounts have a female and male M-thread and can be stacked if several filters must be combined.

Key features	Applications
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- Rotatable
- Mounted on lenses in imaging applications
- Stackable
- Mounted on measurement instruments
- Black Anodized Brass

Thread	Diameter	Clear Aperture	Thickness
M 25.5x0.5	27 mm	20.8 mm	9.2 mm
M 27.0x0.5	28.5 mm	21.8 mm	9.2 mm
M 30.5x0.5	32 mm	25.8 mm	9.2 mm
M 35.5 x0.5	37 mm	30.8 mm	9.2 mm
M 37.0x0.75	38.5 mm	31.8 mm	9.2 mm
M 40.5x0.5	42 mm	35.8 mm	9.2 mm
M 43.0x0.75	44.5 mm	37.8 mm	9.2 mm
M 46.0x0.75	47.5 mm	40.8 mm	9.2 mm
M 49.0x0.75	50.5 mm	43.8 mm	9.2 mm
M 52.0x0.75	53.5 mm	46.8 mm	9.2 mm
M 55.0x0.75	56.5 mm	49.8 mm	9.2 mm
M 58.0x0.75	59.5 mm	52.8 mm	9.2 mm
M 62.0x0.75	63.5 mm	56.8 mm	9.2 mm
M 67.0x0.75	68.5 mm	61.8 mm	9.2 mm



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