

# Raman notch filters

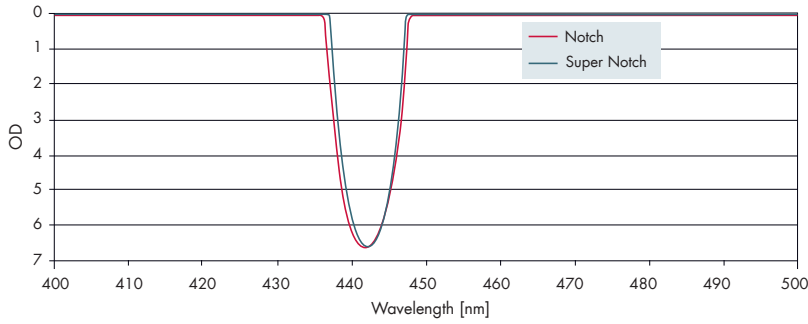
All filters described in this catalogue eliminate the need for multiple filters for spectral noise reduction. All use hard dielectric coatings and do not require cover glass for durability. This greatly improves the transmission levels in all our filters compared to traditional ones.



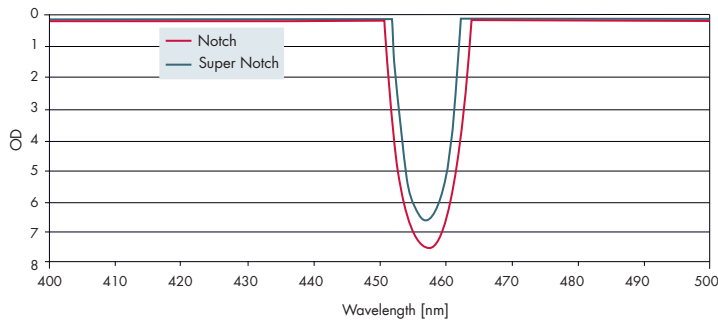
Specifications	
Blocking	> OD 6,0
Transmission	Average > 90%
Notch Width	3 – 10% (see table)
Pass Band Transmission Ripple	Average < 5%
Angle of Incidence	0° (angle tuning available)
Temperature Dependence	< 5 pm / °C
Clear Aperture	> 80% of Outer Diameter
Outer Diameter	25 +0,0/-0,1 mm ring mounted or 12,5 mm
Thickness	3,0 ± 0,1 mm
Surface Quality	60/40 S/D

CWL [nm]	CWL [cm <sup>-1</sup> ]	Diameter [mm]	Raman notch plus filters			Raman super notch plus filters		
			Part no.	FWHM [nm]	FWHM [cm <sup>-1</sup> ]	Part no.	FWHM [nm]	FWHM [cm <sup>-1</sup> ]
441,6	22.600	12,5	DNPF442-12.5	11	560			
441,6	22.600	25,0	DNPF442-25	11	560	DSNPF442-25	10	512
457,9	21.900	12,5	DNPF457-12.5	12	570			
457,9	21.900	25,0	DNPF457-25	12	570	DSNPF457-25	10	479
476,5	21.000	12,5	DNPF476-12.5	13	570			
476,5	21.000	25,0	DNPF476-25	13	570	DSNPF476-25	10	441
488,0	20.500	12,5	DNPF488-12.5	14	590			
488,0	20.500	25,0	DNPF488-25	14	590	DSNPF488-25	10	420
514,5	19.500	12,5	DNPF514-12.5	16	610			
514,5	19.500	25,0	DNPF514-25	16	610	DSNPF514-25	12	453
532,0	18.800	12,5	DNPF532-12.5	17	600			
532,0	18.800	25,0	DNPF532-25	17	600	DSNPF532-25	12	424
632,8	15.800	12,5	DNPF633-12.5	25	620			
632,8	15.800	25,0	DNPF633-25	25	620	DSNPF633-25	16	400
647,1	15.400	12,5	DNPF650-12.5	26	620			
647,1	15.400	25,0	DNPF650-25	26	620	DSNPF650-25	17	402
676,0	14.800	12,5	DNPF676-12.5	29	630			
676,0	14.800	25,0	DNPF676-25	29	630	DSNPF676-25	17	372
752,5	13.300	12,5	DNPF752-12.5	36	640			
752,5	13.300	25,0	DNPF752-25	36	640	DSNPF752-25	19	336
785,0	12.700	12,5	DNPF785-12.5	39	630			
785,0	12.700	25,0	DNPF785-25	39	630	DSNPF785-25	20	325
830,0	12.050	12,5	DNPF830-12.5	44	640			
830,0	12.050	25,0	DNPF830-25	44	640	DSNPF830-25	21	305
1064,0	9.400	12,5	DNPF064-12.5	71	630			
1064,0	9.400	25,0	DNPF064-25	71	630	DSNPF064-25	36	318

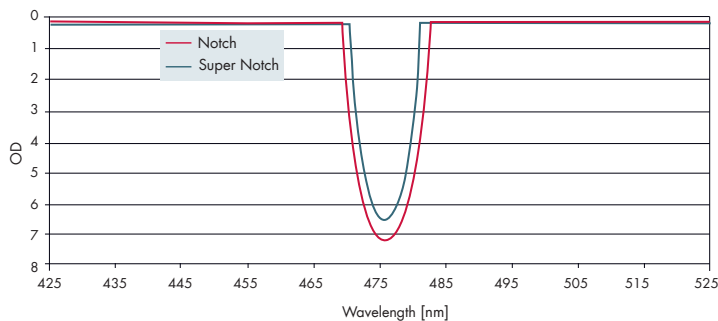
# Raman notch filters



			Raman notch plus filters			Raman super notch plus filters		
CWL [nm]	CWL [cm <sup>-1</sup> ]	Diameter [mm]	Part no.	FWHM [nm]	FWHM [cm <sup>-1</sup> ]	Part no.	FWHM [nm]	FWHM [cm <sup>-1</sup> ]
441,6	22.600	12,5	DNPF442-12.5	11	560			
441,6	22.600	25,0	DNPF442-25	11	560	DSNPF442-25	10	512

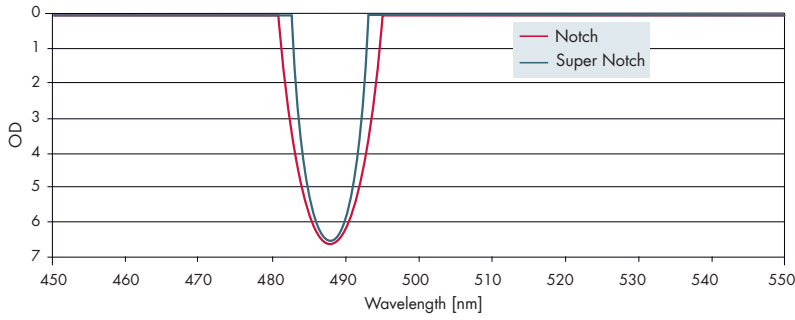


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457,9	21.900	12,5	DNPF457-12.5	12	570			
457,9	21.900	25,0	DNPF457-25	12	570	DSNPF457-25	10	479

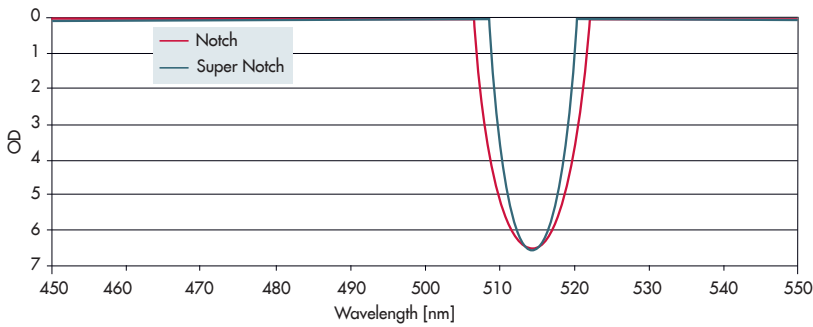


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476,5	21.000	12,5	DNPF476-12.5	13	570			
476,5	21.000	25,0	DNPF476-25	13	570	DSNPF476-25	10	441

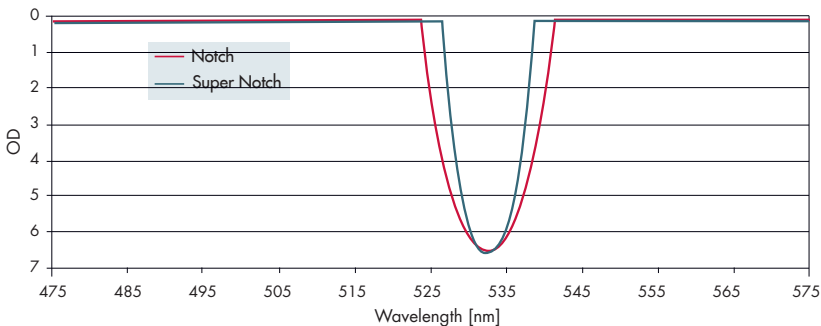
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488,0	20.500	12,5	DNPF488-12.5	14	590			
488,0	20.500	25,0	DNPF488-25	14	590	DSNPF488-25	10	420

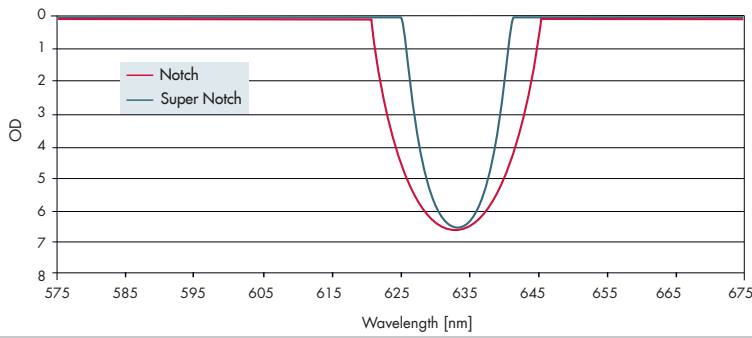


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514,5	19.500	12,5	DNPF514-12.5	16	610			
514,5	19.500	25,0	DNPF514-25	16	610	DSNPF514-25	12	453

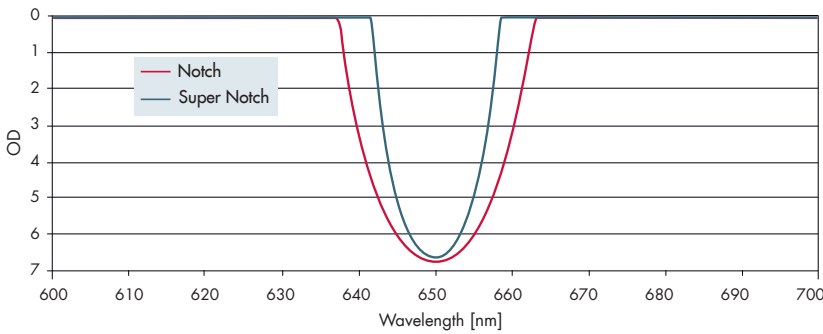


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532,0	18.800	12,5	DNPF532-12.5	17	600			
532,0	18.800	25,0	DNPF532-25	17	600	DSNPF532-25	12	424

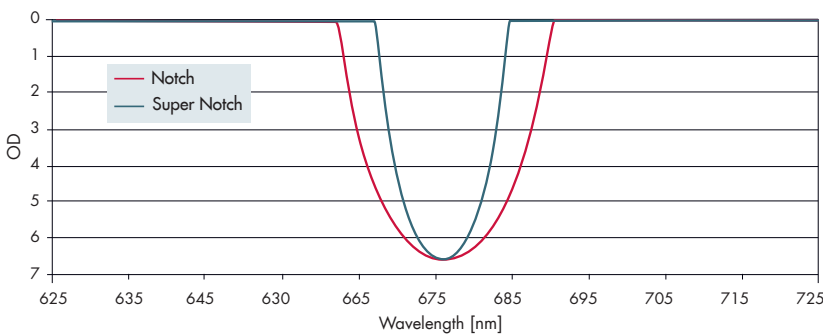
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632,8	15.800	12,5	DNPF633-12.5	25	620			
632,8	15.800	25,0	DNPF633-25	25	620	DSNPF633-25	16	400

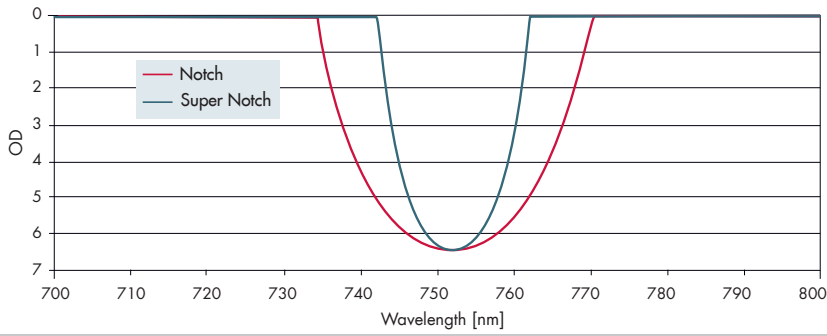


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647,1	15.400	12,5	DNPF650-12.5	26	620			
647,1	15.400	25,0	DNPF650-25	26	620	DSNPF650-25	17	402

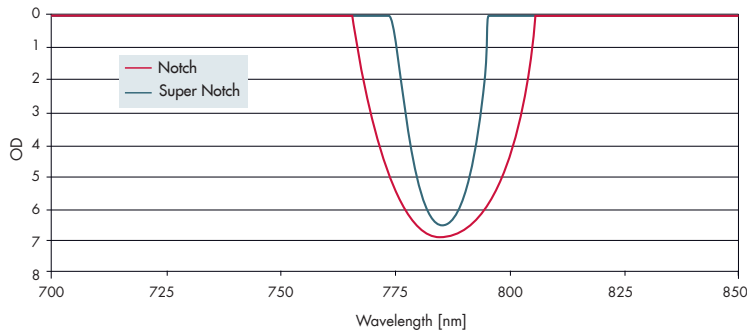


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676,0	14.800	12,5	DNPF676-12.5	29	630			
676,0	14.800	25,0	DNPF676-25	29	630	DSNPF676-25	17	372

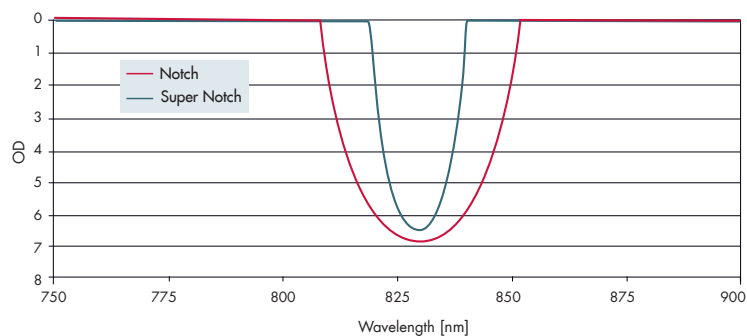
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752,5	13.300	12,5	DNPF752-12.5	36	640			
752,5	13.300	25,0	DNPF752-25	36	640	DSNPF752-25	19	336

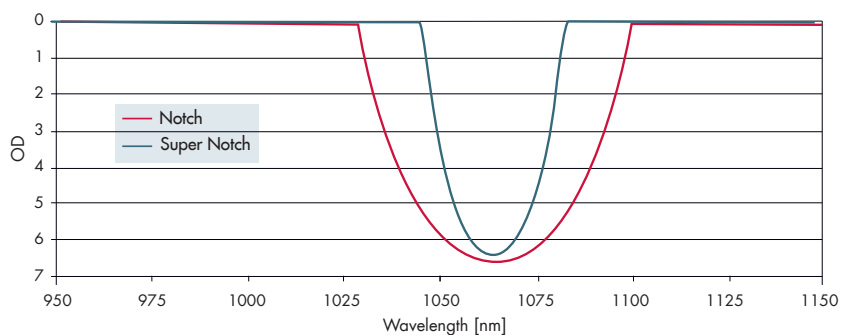


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CWL [nm]	CWL [cm <sup>-1</sup> ]	Diameter [mm]	Part no.	FWHM [nm]	FWHM [cm <sup>-1</sup> ]	Part no.	FWHM [nm]	FWHM [cm <sup>-1</sup> ]
785,0	12.700	12,5	DNPF785-12.5	39	630			
785,0	12.700	25,0	DNPF785-25	39	630	DSNPF785-25	20	325



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830,0	12.050	12,5	DNPF830-12.5	44	640			
830,0	12.050	25,0	DNPF830-25	44	640	DSNPF830-25	21	305

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1064,0	9.400	12,5	DNPF064-12.5	71	630			
1064,0	9.400	25,0	DNPF064-25	71	630	DSNPF064-25	36	318

