

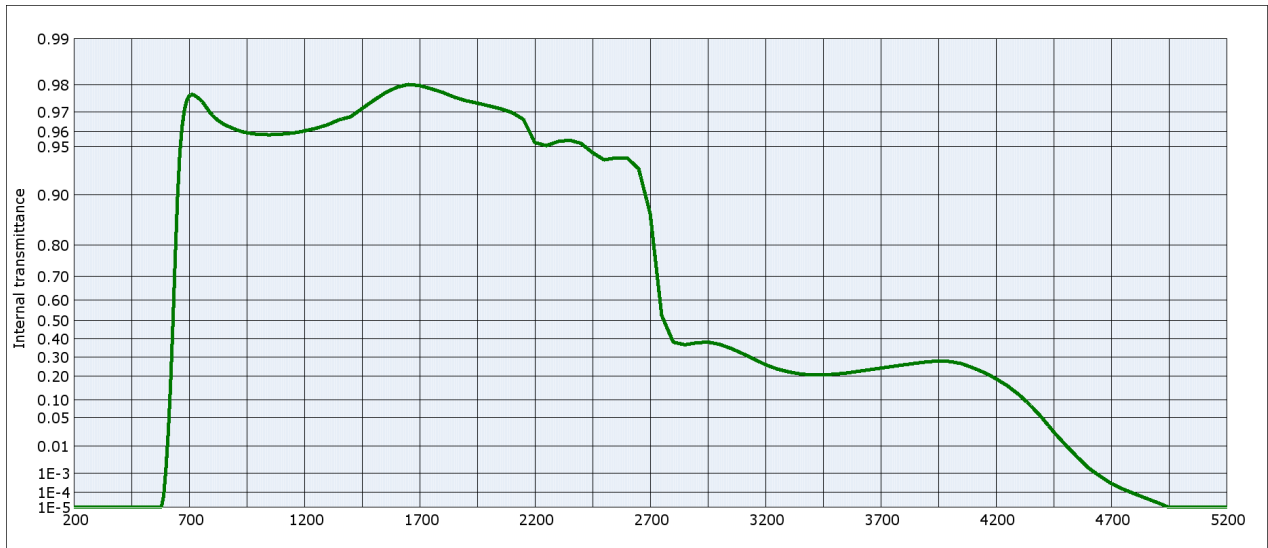
50mm SCHOTT RG630 LONGPASS FILTER 3mm thick

<https://www.galvoptics.co.uk/optical-components/optical-filters/schott-longpass-filters/>

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RG630

SCHOTT



Internal transmittance τ_i at reference thickness $d = 3$ mm
The internal transmittance values, tabulated and graphically represented, are reference values only

λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i
200	$< 10^{-5}$	500	$< 10^{-5}$	800	0.969	1100	0.958	2200	0.953	3700	0.241
210	$< 10^{-5}$	510	$< 10^{-5}$	810	0.968	1110	0.959	2250	0.951	3750	0.250
220	$< 10^{-5}$	520	$< 10^{-5}$	820	0.967	1120	0.959	2300	0.954	3800	0.258
230	$< 10^{-5}$	530	$< 10^{-5}$	830	0.966	1130	0.959	2350	0.955	3850	0.266
240	$< 10^{-5}$	540	$< 10^{-5}$	840	0.965	1140	0.959	2400	0.953	3900	0.274
250	$< 10^{-5}$	550	$< 10^{-5}$	850	0.964	1150	0.959	2450	0.946	3950	0.278
260	$< 10^{-5}$	560	$< 10^{-5}$	860	0.964	1160	0.959	2500	0.940	4000	0.275
270	$< 10^{-5}$	570	$< 10^{-5}$	870	0.963	1170	0.960	2550	0.941	4050	0.264
280	$< 10^{-5}$	580	$< 10^{-5}$	880	0.962	1180	0.960	2600	0.941	4100	0.243
290	$< 10^{-5}$	590	$6.2 \cdot 10^{-5}$	890	0.962	1190	0.960	2650	0.931	4150	0.218
300	$< 10^{-5}$	600	$1.7 \cdot 10^{-3}$	900	0.961	1200	0.960	2700	0.870	4200	0.188
310	$< 10^{-5}$	610	$2.5 \cdot 10^{-2}$	910	0.961	1250	0.962	2750	0.524	4250	0.156
320	$< 10^{-5}$	620	0.169	920	0.960	1300	0.964	2800	0.381	4300	0.120
330	$< 10^{-5}$	630	0.487	930	0.960	1350	0.966	2850	0.367	4350	$8.3 \cdot 10^{-2}$
340	$< 10^{-5}$	640	0.765	940	0.960	1400	0.968	2900	0.378	4400	$4.9 \cdot 10^{-2}$
350	$< 10^{-5}$	650	0.897	950	0.959	1450	0.972	2950	0.382	4450	$2.4 \cdot 10^{-2}$
360	$< 10^{-5}$	660	0.946	960	0.959	1500	0.975	3000	0.370	4500	$1.1 \cdot 10^{-2}$
370	$< 10^{-5}$	670	0.963	970	0.959	1550	0.977	3050	0.347	4550	$4.7 \cdot 10^{-3}$
380	$< 10^{-5}$	680	0.971	980	0.959	1600	0.979	3100	0.319	4600	$1.7 \cdot 10^{-3}$
390	$< 10^{-5}$	690	0.975	990	0.959	1650	0.980	3150	0.288	4650	$7.5 \cdot 10^{-4}$
400	$< 10^{-5}$	700	0.976	1000	0.958	1700	0.980	3200	0.259	4700	$3.2 \cdot 10^{-4}$
410	$< 10^{-5}$	710	0.977	1010	0.958	1750	0.979	3250	0.237	4750	$1.6 \cdot 10^{-4}$
420	$< 10^{-5}$	720	0.977	1020	0.958	1800	0.978	3300	0.222	4800	$8.4 \cdot 10^{-5}$
430	$< 10^{-5}$	730	0.976	1030	0.958	1850	0.976	3350	0.212	4850	$4.4 \cdot 10^{-5}$
440	$< 10^{-5}$	740	0.976	1040	0.958	1900	0.975	3400	0.206	4900	$2.2 \cdot 10^{-5}$
450	$< 10^{-5}$	750	0.975	1050	0.958	1950	0.974	3450	0.206	4950	$< 10^{-5}$
460	$< 10^{-5}$	760	0.974	1060	0.958	2000	0.973	3500	0.210	5000	$< 10^{-5}$
470	$< 10^{-5}$	770	0.973	1070	0.958	2050	0.971	3550	0.216	5050	$< 10^{-5}$
480	$< 10^{-5}$	780	0.971	1080	0.958	2100	0.970	3600	0.224	5100	$< 10^{-5}$
490	$< 10^{-5}$	790	0.970	1090	0.958	2150	0.967	3650	0.232	5150	$< 10^{-5}$