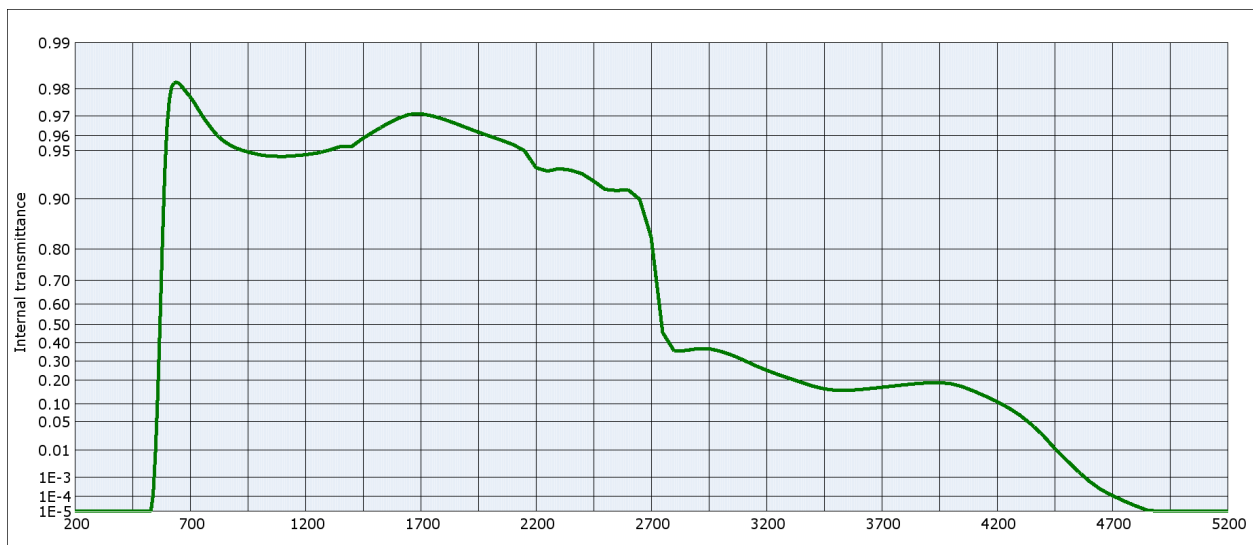


SCHOTT

The graph displays the internal transmittance of a 100 nm thick ZnO film as a function of wavelength. The y-axis, labeled 'Internal transmittance', uses a logarithmic scale from 10^{-5} to 0.99. The x-axis, labeled 'Wavelength (nm)', ranges from 200 to 1200 nm. The transmittance remains very low (below 10^{-5}) for wavelengths below 530 nm. Between 530 nm and 640 nm, there is a sharp increase in transmittance, reaching a maximum of approximately 0.98. Beyond 640 nm, the transmittance gradually decreases, reaching a plateau of about 0.95 for wavelengths above 1000 nm.

Wavelength (nm)	Internal transmittance
200	10^{-5}
300	10^{-5}
400	10^{-5}
500	10^{-5}
530	10^{-5}
550	10^{-3}
580	0.10
600	0.50
620	0.85
640	0.98
660	0.98
700	0.97
800	0.96
900	0.955
1000	0.95
1100	0.95
1200	0.95

Internal transmittance τ_i at reference thickness $d = 3 \text{ mm}$

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	0.963	1100	0.946	2200	0.936	3700	0.167
210	$< 10^{-5}$	510	$< 10^{-5}$	810	0.961	1110	0.946	2250	0.933	3750	0.173
220	$< 10^{-5}$	520	$< 10^{-5}$	820	0.960	1120	0.946	2300	0.935	3800	0.179
230	$< 10^{-5}$	530	$< 10^{-5}$	830	0.959	1130	0.946	2350	0.934	3850	0.184
240	$< 10^{-5}$	540	$1.3 \cdot 10^{-4}$	840	0.957	1140	0.946	2400	0.930	3900	0.188
250	$< 10^{-5}$	550	$8.8 \cdot 10^{-3}$	850	0.956	1150	0.946	2450	0.922	3950	0.189
260	$< 10^{-5}$	560	0.139	860	0.955	1160	0.946	2500	0.913	4000	0.184
270	$< 10^{-5}$	570	0.517	870	0.954	1170	0.947	2550	0.911	4050	0.170
280	$< 10^{-5}$	580	0.816	880	0.953	1180	0.947	2600	0.912	4100	0.150
290	$< 10^{-5}$	590	0.930	890	0.953	1190	0.947	2650	0.899	4150	0.130
300	$< 10^{-5}$	600	0.965	900	0.952	1200	0.947	2700	0.829	4200	0.109
310	$< 10^{-5}$	610	0.976	910	0.951	1250	0.948	2750	0.455	4250	$8.8 \cdot 10^{-2}$
320	$< 10^{-5}$	620	0.981	920	0.951	1300	0.950	2800	0.354	4300	$6.6 \cdot 10^{-2}$
330	$< 10^{-5}$	630	0.982	930	0.950	1350	0.953	2850	0.357	4350	$4.4 \cdot 10^{-2}$
340	$< 10^{-5}$	640	0.982	940	0.950	1400	0.953	2900	0.367	4400	$2.5 \cdot 10^{-2}$
350	$< 10^{-5}$	650	0.982	950	0.949	1450	0.958	2950	0.368	4450	$1.1 \cdot 10^{-2}$
360	$< 10^{-5}$	660	0.981	960	0.949	1500	0.963	3000	0.353	4500	$4.9 \cdot 10^{-3}$
370	$< 10^{-5}$	670	0.980	970	0.948	1550	0.966	3050	0.332	4550	$1.9 \cdot 10^{-3}$
380	$< 10^{-5}$	680	0.979	980	0.948	1600	0.969	3100	0.305	4600	$6.6 \cdot 10^{-4}$
390	$< 10^{-5}$	690	0.978	990	0.948	1650	0.971	3150	0.276	4650	$2.5 \cdot 10^{-4}$
400	$< 10^{-5}$	700	0.977	1000	0.947	1700	0.971	3200	0.251	4700	$1.1 \cdot 10^{-4}$
410	$< 10^{-5}$	710	0.976	1010	0.947	1750	0.970	3250	0.229	4750	$5.3 \cdot 10^{-5}$
420	$< 10^{-5}$	720	0.975	1020	0.946	1800	0.969	3300	0.209	4800	$2.5 \cdot 10^{-5}$
430	$< 10^{-5}$	730	0.974	1030	0.946	1850	0.967	3350	0.191	4850	$1.2 \cdot 10^{-5}$
440	$< 10^{-5}$	740	0.972	1040	0.946	1900	0.964	3400	0.173	4900	$< 10^{-5}$
450	$< 10^{-5}$	750	0.971	1050	0.946	1950	0.962	3450	0.160	4950	$< 10^{-5}$
460	$< 10^{-5}$	760	0.969	1060	0.946	2000	0.960	3500	0.154	5000	$< 10^{-5}$
470	$< 10^{-5}$	770	0.968	1070	0.946	2050	0.957	3550	0.154	5050	$< 10^{-5}$
480	$< 10^{-5}$	780	0.966	1080	0.946	2100	0.954	3600	0.157	5100	$< 10^{-5}$
490	$< 10^{-5}$	790	0.964	1090	0.946	2150	0.950	3650	0.162	5150	$< 10^{-5}$