

HOYA CANDEO OPTRONICS CORPORATION

Transmittance (T) units: %

λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	0.0	3.8	45.3	73.9	82.4	85.4	86.8	87.5	88.1	88.5	88.7	88.9	89.1	89.3	89.4	89.5	89.6	89.7	89.7	89.7
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	89.8	89.8	89.7	89.7	89.8	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.0	90.0
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.0	90.0	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.4
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	90.4	90.3	90.4	90.5	90.4	90.4	90.5	90.4	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.6				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.547	1.537	1.533	1.531	1.529	1.528	1.528
K	6.2E-04	1.4E-07	5.7E-08	3.0E-08	1.8E-08	1.2E-08	8.7E-09
P	0.912	0.914	0.915	0.916	0.916	0.916	0.916

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

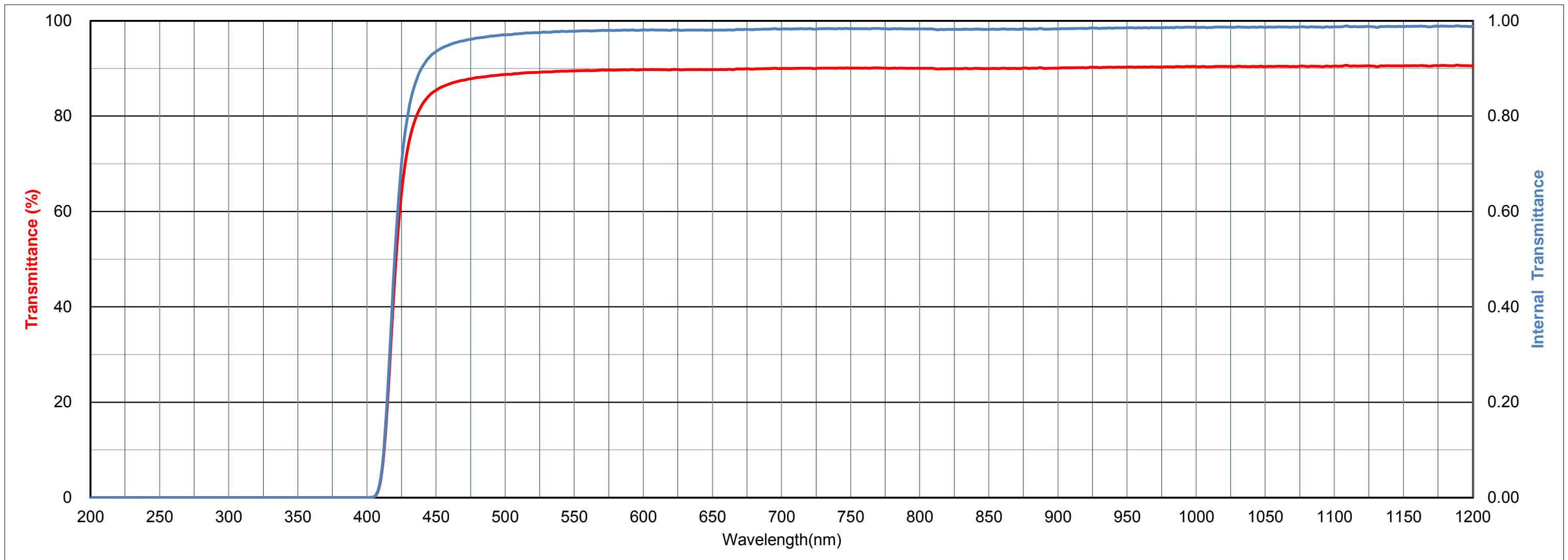
	x	y	Y	λ _d	P _e
A	0.452	0.412	90	580	6
C	0.317	0.330	89	569	5
D65	0.320	0.343	89	568	6

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	d
2	1	550	600	92	105	540	130	2.59

Tolerance of Transmittance (τ)

λτ (nm)	Δλ (nm)	TH (%)
420±5	<25	>85





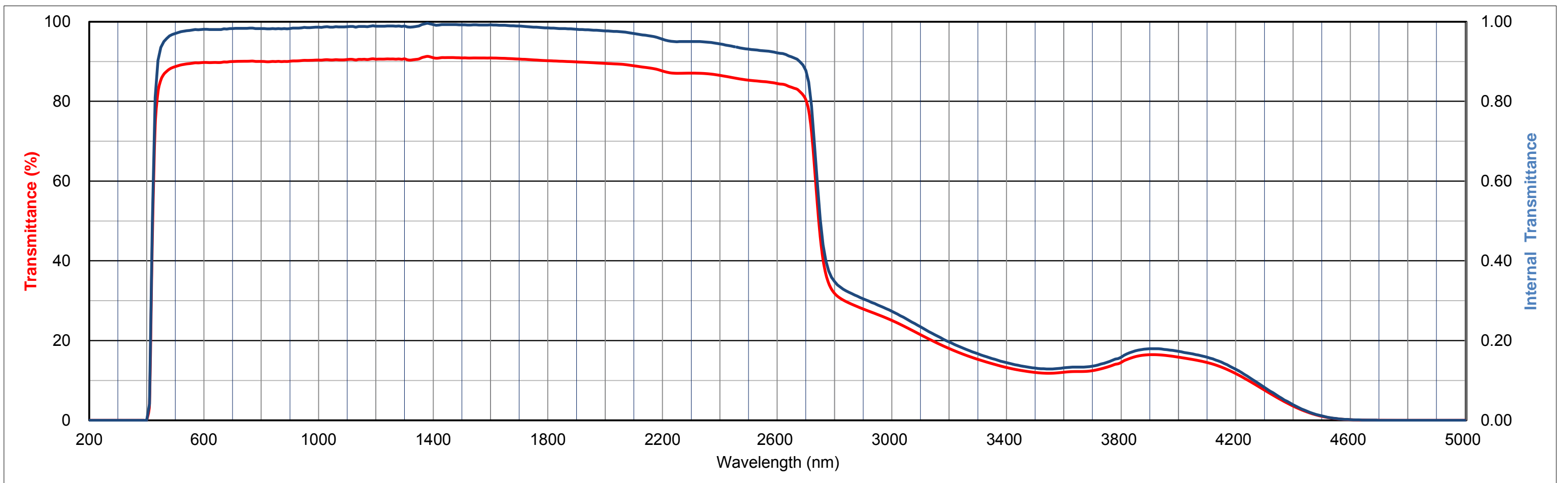
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Thickness 2.50 mm

L42

Transmittance (T) units: %

λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	0.0	3.8	45.3	73.9	82.4	85.4	86.8	87.5	88.1	88.5	88.7	88.9	89.1	89.3	89.4	89.5	89.6	89.7	89.7	89.7
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	89.8	89.8	89.7	89.7	89.8	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.0	90.0
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.0	90.0	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.4
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	90.4	90.3	90.4	90.5	90.4	90.4	90.5	90.4	90.4	90.4	90.5	90.6	90.5	90.4	90.5	90.5	90.6	90.5	90.6	90.7
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	90.6	90.6	90.6	90.6	90.7	90.6	90.6	90.6	90.6	90.6	90.7	90.4	90.3	90.4	90.5	90.6	91.0	91.2	91.3	91.2
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	90.9	90.8	90.9	91.0	91.0	91.0	91.0	91.0	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	90.9	90.9	90.9	90.8	90.8	90.8	90.8	90.7	90.7	90.6	90.6	90.6	90.6	90.5	90.5	90.4	90.4	90.3	90.3	90.2
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	90.2	90.2	90.1	90.1	90.1	90.1	90.0	90.0	90.0	89.9	89.9	89.9	89.8	89.8	89.8	89.7	89.7	89.6	89.6	89.6
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	89.5	89.3	88.9	88.4	87.6	87.0	87.1	87.0	86.5	85.9	85.3	85.0	84.5	83.5	80.4	46.2	31.9	29.5	27.9	26.5
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	25.1	23.3	21.5	19.7	18.0	16.5	15.3	14.2	13.3	12.5	12.0	11.8	12.1	12.2	12.4	13.3	14.5	16.0	16.5	16.3
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	15.8	15.2	14.5	13.3	11.7	9.7	7.6	5.5	3.6	2.1	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			



All data is mean values of various melts.