HOYA

HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

UV34N

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	0.3	14.4	43.4	62.8	73.1	78.8	81.8	83.9
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	85.2	85.8	86.1	86.3	86.4	86.5	86.7	86.7	87.1	87.1	87.3	87.5	87.6	87.6	87.8	87.9	87.9	88.0	87.9	87.8
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	87.9	87.9	87.8	88.0	87.8	87.8	87.9	87.9	88.0	88.1	88.2	88.3	88.3	88.5	88.5	88.6	88.6	88.7	88.6	88.6
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	88.7	88.5	88.6	88.7	88.6	88.6	88.6	88.6	88.6	88.5	88.6	88.8	88.9	88.9	89.0	89.1	89.2	89.2	89.2	89.3
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	89.4	89.4	89.4	89.4	89.5	89.5	89.6	89.6	89.6	89.7	89.6	89.7	89.7	89.8	89.8	89.9				

Refractive Index/Absorption coefficient/Reflection coefficent

λnm	400	500	600	700	800	900	1000
n	1.704	1.678	1.665	1.657	1.652	1.649	1.647
K	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
P	0.873	0.880	0.883	0.885	0.886	0.887	0.887

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

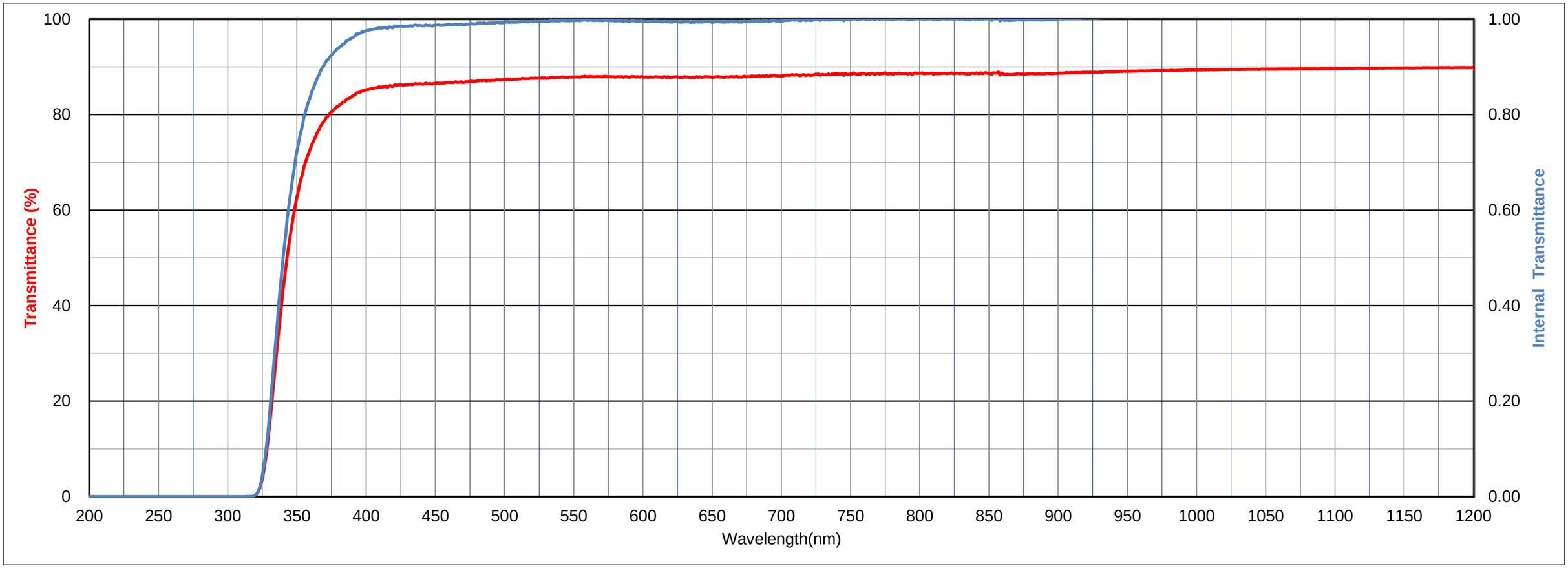
	x	y	Y	λ_d	P_e
A	-	-	-	-	-
C	-	-	-	-	-
D65	-	-	-	-	-

Properties

Chemical		Thermal				Mechanical		Others
D_W	D_A	Tg	Ts	α -30/70	α 100/300	H_K	F_A	d
1	3	447	490	79	91	415	150	4.01

Tolerance of Transmittance (T)

Transition Wavelength	Transition Interval	Average High Transmittance
λ T	Δ λ	Th(%)
340±7 nm	< 40 nm	> 85 %



All data is mean values of various melts.

The content of this catalog is accurate as of November ,2019

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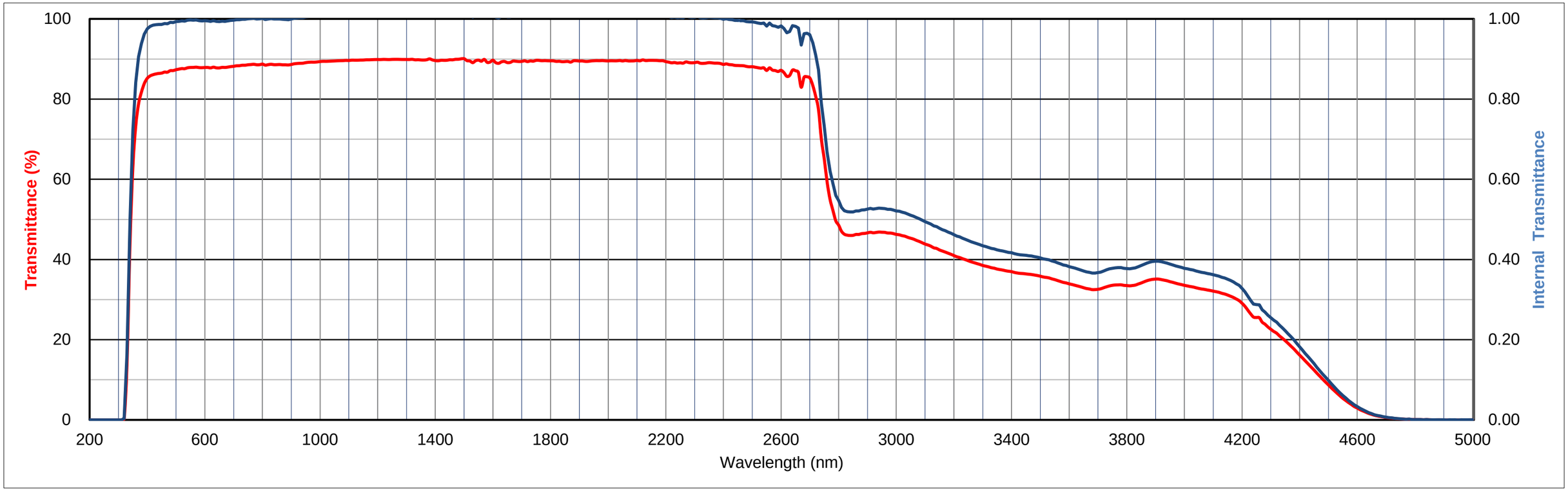
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	85.2	85.8	86.1	86.3	86.4	86.5	86.7	86.7	87.1	87.1	87.3	87.5	87.6	87.6	87.8	87.9	87.9	88.0	87.9	87.8
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	87.9	87.9	87.8	88.0	87.8	87.8	87.9	87.9	88.0	88.1	88.2	88.3	88.3	88.5	88.5	88.6	88.6	88.7	88.6	88.6
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	88.7	88.5	88.6	88.7	88.6	88.6	88.6	88.6	88.6	88.5	88.6	88.8	88.9	88.9	89.0	89.1	89.2	89.2	89.2	89.3
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	89.4	89.4	89.4	89.4	89.5	89.5	89.6	89.6	89.6	89.7	89.6	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.9
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.8	89.8	89.8	89.7	89.8	90.0	89.8
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.9	89.9	90.1	90.1	89.6	89.5	89.1	89.6	89.7	89.4	89.9	89.2	89.2
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	89.7	89.1	88.9	89.3	89.4	89.1	89.1	89.5	89.4	89.4	89.4	89.5	89.4	89.5	89.5	89.7	89.7	89.6	89.6	89.6
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	89.5	89.5	89.4	89.4	89.3	89.4	89.4	89.2	89.6	89.6	89.5	89.5	89.4	89.4	89.5	89.6	89.6	89.6	89.6	89.5
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	89.5	89.5	89.6	89.7	89.3	89.0	89.1	89.1	88.7	88.4	88.1	87.1	87.2	87.1	85.3	65.0	48.6	46.0	46.6	46.8
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	46.3	45.3	43.8	42.4	41.0	39.7	38.5	37.6	37.0	36.4	35.8	35.0	33.9	33.0	32.6	33.6	33.5	34.1	35.1	34.5
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	33.6	32.8	32.1	31.1	29.1	25.5	22.6	19.7	16.2	12.4	8.7	5.4	3.0	1.4	0.6	0.2	0.1	0.0	0.0	0.0
λnm	5000																			
T	0.0																			



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