HOYA

HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

UV32N

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	0.1	6.5	32.5	57.8	72.6	81.0	84.9	87.1	88.1	88.3	89.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	89.2	89.4	89.5	89.6	89.5	89.7	89.7	89.8	89.9	89.9	89.9	90.0	90.1	90.0	90.2	90.3	90.3	90.3	90.3	90.4
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	90.3	90.4	90.4	90.4	90.6	90.5	90.3	90.5	90.5	90.6	90.6	90.6	90.8	90.7	90.6	90.7	90.7	90.7	90.9	90.7
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.8	90.7	90.7	90.6	90.8	90.9	90.7	90.7	90.6	90.6	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.3
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	91.2	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.7	91.7	91.8	91.8	91.8				

Refractive Index/Absorption coefficient/Reflection coefficent

λnm	400	500	600	700	800	900	1000
n	1.600	1.586	1.579	1.574	1.571	1.570	1.568
K	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
P	0.899	0.902	0.904	0.905	0.906	0.906	0.907

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

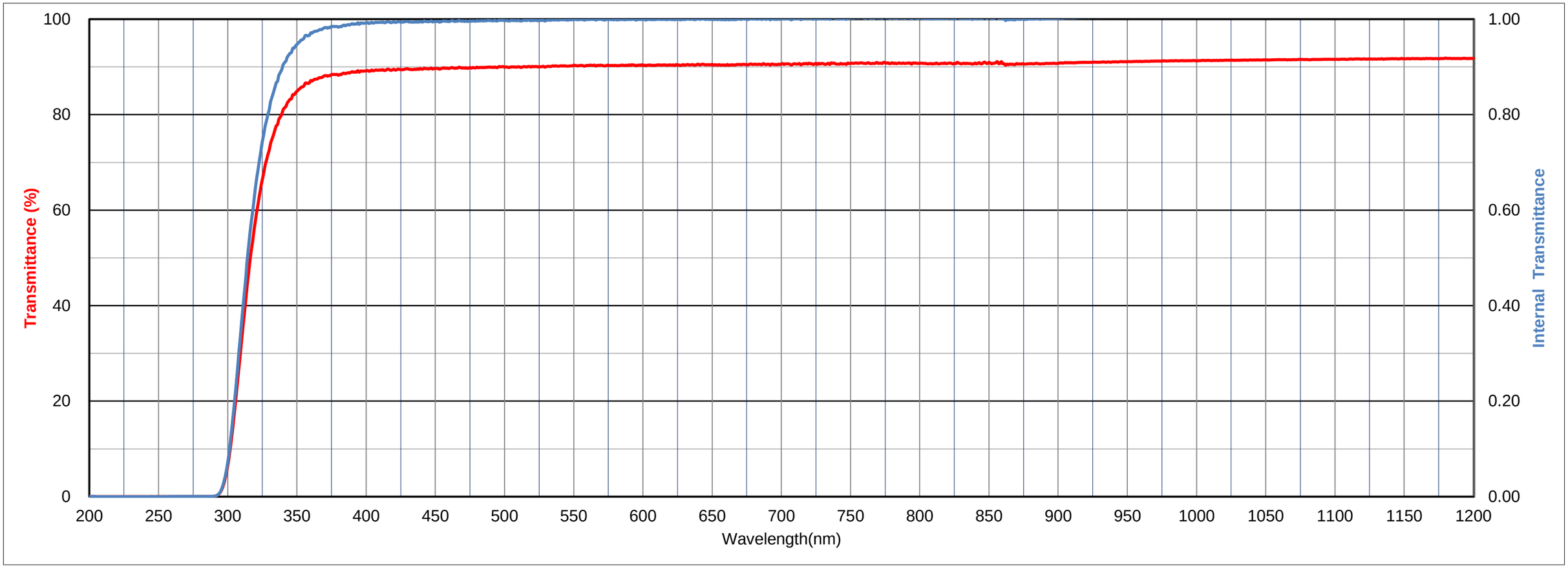
	x	y	Y	λ_d	P_e
A	-	-	-	-	-
C	-	-	-	-	-
D65	-	-	-	-	-

Properties

Chemical		Thermal				Mechanical		Others
D_W	D_A	Tg	Ts	α -30/70	α 100/300	H_K	F_A	d
2	2	572	630	69	83	495	130	3.23

Tolerance of Transmittance (T)

Transition Wavelength	Transition Interval	Average High Transmittance
λ T	Δ λ	Th(%)
320±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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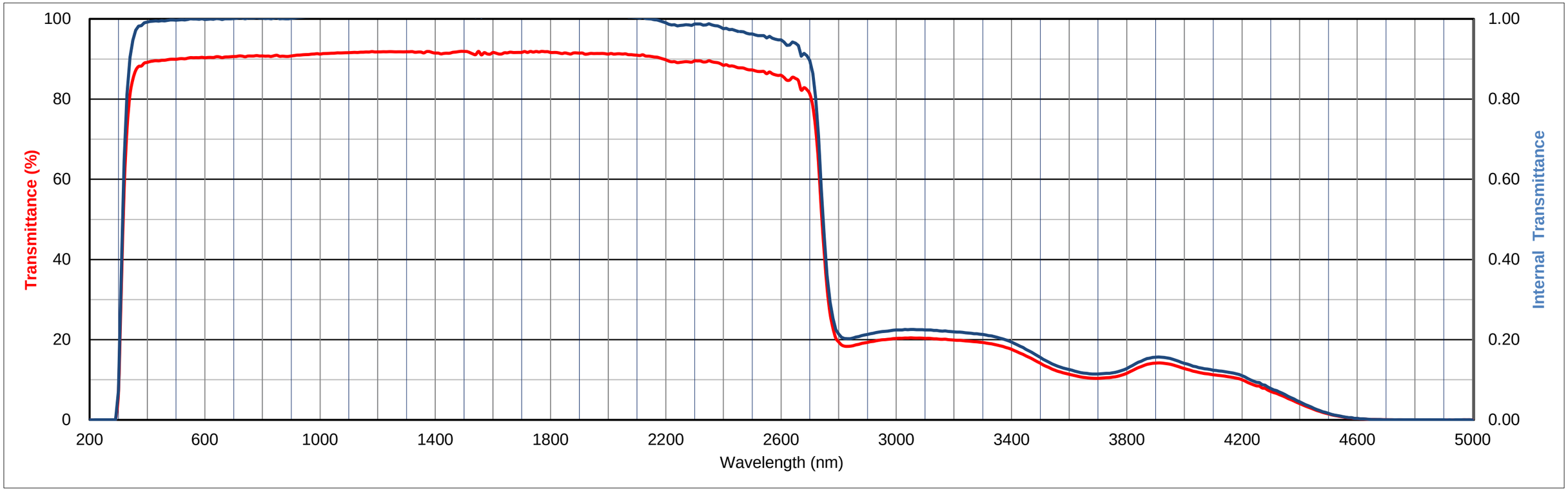
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	89.2	89.4	89.5	89.6	89.5	89.7	89.7	89.8	89.9	89.9	89.9	90.0	90.1	90.0	90.2	90.3	90.3	90.3	90.3	90.4
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	90.3	90.4	90.4	90.4	90.6	90.5	90.3	90.5	90.5	90.6	90.6	90.6	90.8	90.7	90.6	90.7	90.7	90.7	90.9	90.7
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.8	90.7	90.7	90.6	90.8	90.9	90.7	90.7	90.6	90.6	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.3
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	91.2	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.7	91.6	91.7	91.7	91.8	91.7	91.8	91.8
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.7	91.7	91.7	91.5	91.9	91.8	91.6
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	91.5	91.5	91.3	91.4	91.4	91.4	91.7	91.7	91.8	91.9	91.9	91.9	91.6	91.3	91.1	91.9	91.0	91.6	91.3	91.2
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	91.6	91.5	91.2	91.3	91.6	91.5	91.7	91.6	91.6	91.6	91.7	91.9	91.6	91.9	91.7	91.9	91.8	91.9	91.8	91.8
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	91.6	91.6	91.6	91.5	91.4	91.5	91.4	91.2	91.5	91.5	91.5	91.5	91.2	91.3	91.4	91.3	91.4	91.4	91.4	91.3
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	91.2	91.2	91.0	90.6	89.8	89.2	89.5	89.5	88.4	87.8	87.3	86.3	85.9	85.2	81.2	41.6	19.4	18.5	19.3	20.0
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	20.3	20.5	20.3	20.1	19.9	19.7	19.3	18.7	17.6	16.0	14.1	12.4	11.4	10.6	10.4	10.7	11.6	13.3	14.2	13.9
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	12.8	11.8	11.3	10.8	10.0	8.5	7.1	5.7	4.1	2.6	1.5	0.7	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			



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