HOYA

HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

V30

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	0.1	1.1	2.2	5.2	7.8	9.5	11.4	23.2	30.1	6.7	24.4	0.0	0.1	77.5	78.2	81.8
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	83.0	83.0	74.0	15.6	76.4	65.2	26.1	23.7	27.4	68.3	27.0	1.1	1.2	0.3	32.9	66.7	57.0	0.0	0.0	0.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	3.0	63.8	69.4	61.3	76.0	83.2	81.4	52.7	20.8	40.4	69.4	75.7	59.4	2.4	0.0	0.0	0.4	20.1	13.3	0.1
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.0	0.0	1.2	20.7	56.5	54.2	4.5	1.9	1.1	9.8	28.7	52.7	71.0	82.9	85.6	86.1	86.3	86.3	86.5	86.5
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	86.5	86.5	86.5	86.6	86.7	86.6	86.6	86.7	86.8	86.8	86.8	87.0	86.9	87.0	87.0	87.1				

Refractive Index/Absorption coefficient/Reflection coefficent

λnm	400	500	600	700	800	900	1000
n	1.705	1.693	1.686	1.682	1.680	1.678	1.677
K	6.7E-07	1.8E-05	6.1E-05	5.6E-06	2.0E-04	3.6E-05	8.5E-12
P	0.873	0.876	0.877	0.878	0.879	0.880	0.880

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

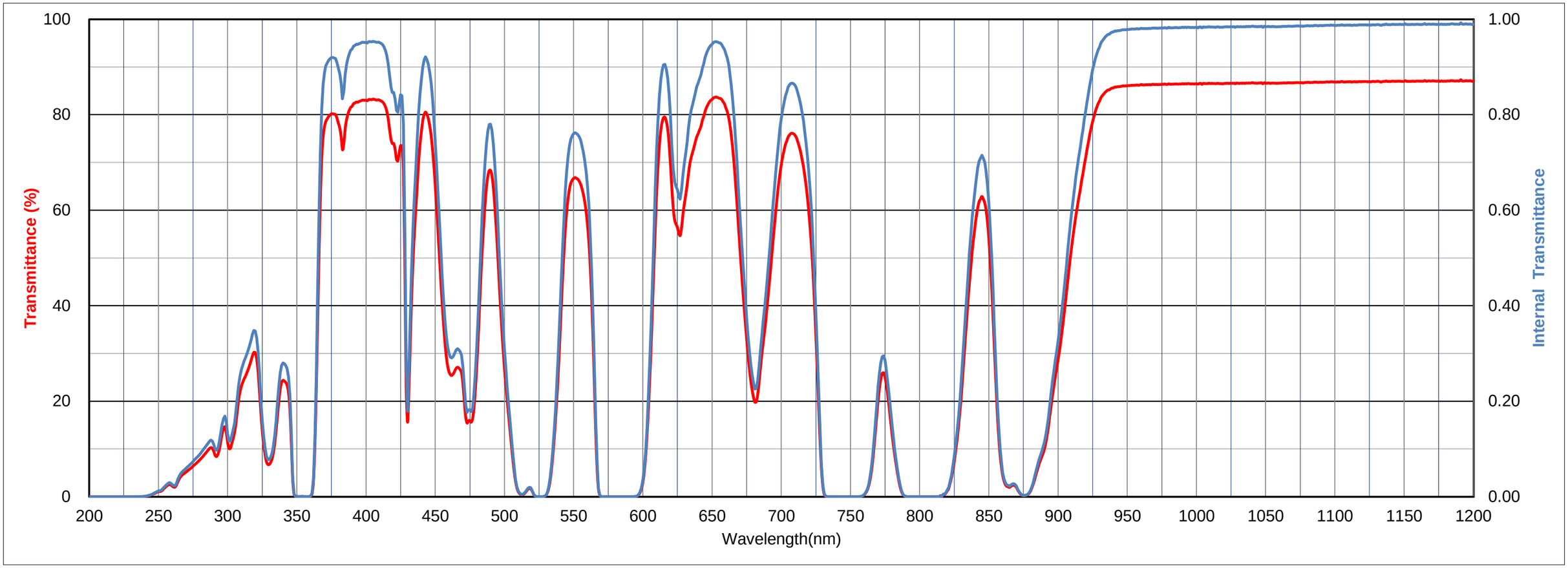
	x	y	Y	λ_d	P_e
A	0.486	0.339	30	-546	31
C	0.307	0.232	28	-553	34
D65	0.313	0.241	28	-552	34

Properties

Chemical		Thermal				Mechanical		Others
D_W	D_A	Tg	Ts	α -30/70	α 100/300	H_K	F_A	d
1	4	615	650	60	70	660	70	3.64

Tolerance of Transmittance (T)

Transmittance at 550nm	Transmittance at 586nm
T550(%)	T586(%)
68±3	<1



All data is mean values of various melts.

The content of this catalog is accurate as of April ,2014

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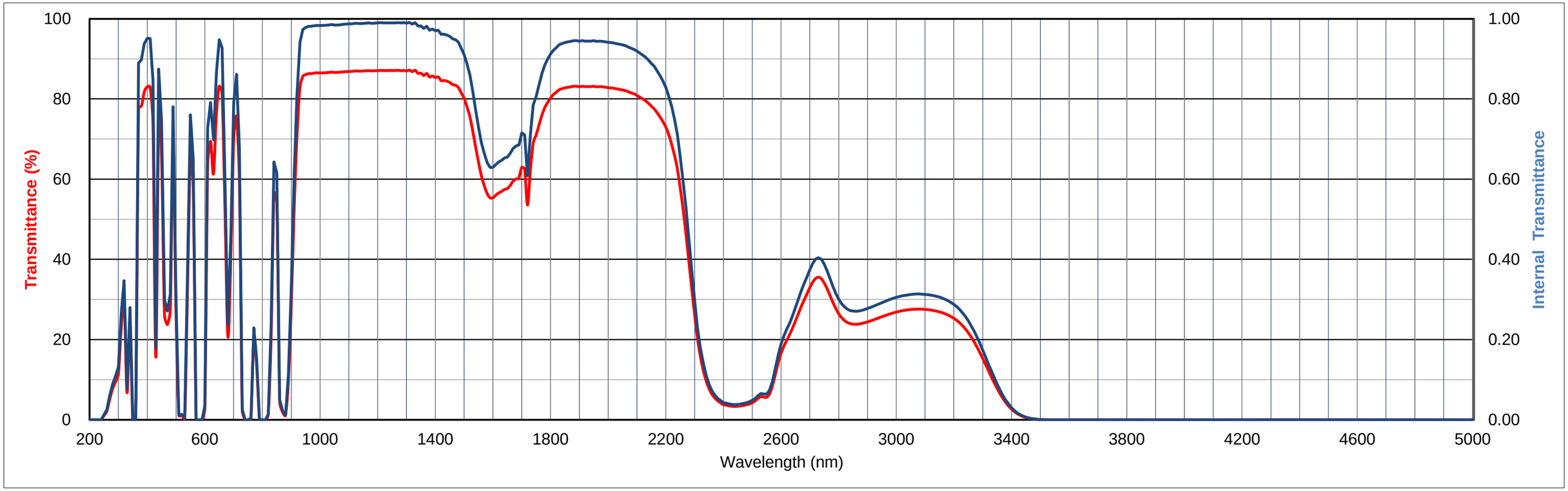
T	0.0	0.0	0.0	0.0	0.1	1.1	2.2	5.2	7.8	9.5	11.4	23.2	30.1	6.7	24.4	0.0	0.1	77.5	78.2	81.8
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	83.0	83.0	74.0	15.6	76.4	65.2	26.1	23.7	27.4	68.3	27.0	1.1	1.2	0.3	32.9	66.7	57.0	0.0	0.0	0.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	3.0	63.8	69.4	61.3	76.0	83.2	81.4	52.7	20.8	40.4	69.4	75.7	59.4	2.4	0.0	0.0	0.4	20.1	13.3	0.1
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	0.0	0.0	1.2	20.7	56.5	54.2	4.5	1.9	1.1	9.8	28.7	52.7	71.0	82.9	85.6	86.1	86.3	86.3	86.5	86.5
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	86.5	86.5	86.5	86.6	86.7	86.6	86.6	86.7	86.8	86.8	86.8	86.9	87.0	87.0	86.9	87.0	87.0	87.1	87.0	87.0
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.0	87.2	86.8	87.1	86.4	86.4	85.9	86.3	85.5	85.7
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	85.4	85.5	84.6	84.6	84.4	84.1	83.6	83.4	82.9	81.5	80.2	78.0	75.6	72.0	67.9	64.3	60.8	58.3	56.4	55.4
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	55.4	56.0	56.5	56.9	57.4	57.6	58.4	59.5	60.0	60.3	63.0	62.5	53.5	62.3	69.0	71.0	73.5	75.9	77.8	79.1
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	80.2	81.1	81.7	82.3	82.6	82.8	82.9	83.0	83.2	83.2	83.0	83.2	83.1	83.1	83.1	83.2	83.0	83.1	83.0	82.9
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	82.8	82.2	80.9	78.2	73.0	57.8	26.2	7.8	3.7	3.4	4.2	5.6	16.6	24.6	33.0	34.1	26.5	23.8	24.4	25.7
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	26.9	27.5	27.5	26.9	25.3	21.7	15.3	7.8	2.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
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	5000																			
T	0.0																			



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