HOYA

HOYA CANDEO OPTRONICS CORPORATION

Thickness (-) mm

LB40

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	0.3	4.7	19.2	38.8	55.5	67.5	75.5	80.0	83.5
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	85.5	85.7	83.6	83.2	82.4	81.8	80.8	79.7	78.5	77.0	75.7	73.9	71.9	69.7	68.2	68.2	68.5	67.1	63.8	60.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	58.5	57.7	56.5	54.8	52.9	51.8	51.9	52.8	54.4	55.6	55.9	55.6	55.2	54.8	54.4	54.1	53.9	53.7	53.6	53.6
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	53.7	53.9	54.2	54.5	54.7	55.1	55.5	55.9	56.5	56.9	57.5	58.1	58.7	59.2	60.0	60.6	61.2	61.8	62.5	63.1
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	63.7	64.3	64.9	65.5	66.1	66.7	67.1	67.7	68.3	68.7	69.2	70.0	70.9	71.6	72.3	72.9				

Refractive Index/Absorption coefficient/Reflection coefficent

λnm	400	500	600	700	800	900	1000
n	1.530	1.516	1.509	1.505	1.502	1.500	1.499
K	3.2E-07	1.5E-06	3.9E-06	4.9E-06	6.0E-06	5.9E-06	5.1E-06
P	0.916	0.919	0.921	0.922	0.923	0.923	0.923

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

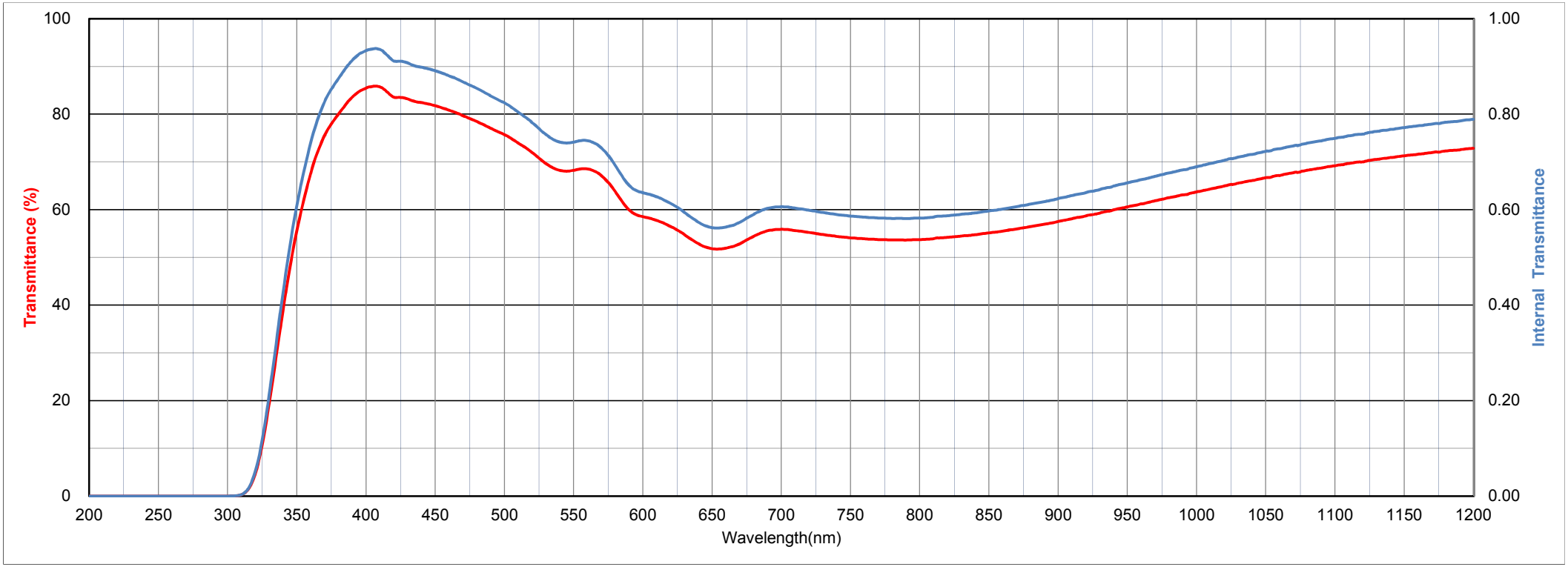
	x	y	Y	λ_d	P_e
A	0.417	0.404	64	493	7
C	0.282	0.295	67	481	13
D65	0.285	0.309	67	482	12

Properties

Chemical		Thermal				Mechanical		Others
D_W	D_A	Tg	Ts	α -30/70	α 100/300	H_K	F_A	d
2	1	460	515	92	115	490	110	2.81

Tolerances of Transmittance(T)

B-R Conversion Value
V(mired)
-40±5



All data is mean values of various melts.

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

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λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
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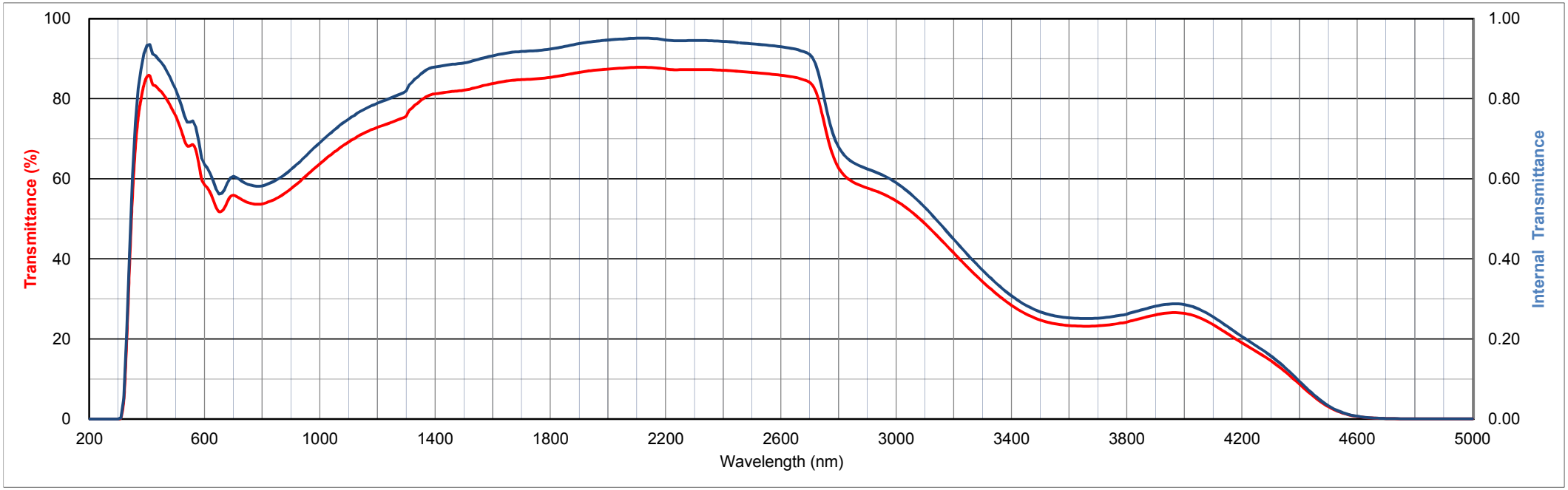
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	85.5	85.7	83.6	83.2	82.4	81.8	80.8	79.7	78.5	77.0	75.7	73.9	71.9	69.7	68.2	68.2	68.5	67.1	63.8	60.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	58.5	57.7	56.5	54.8	52.9	51.8	51.9	52.8	54.4	55.6	55.9	55.6	55.2	54.8	54.4	54.1	53.9	53.7	53.6	53.6
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	53.7	53.9	54.2	54.5	54.7	55.1	55.5	55.9	56.5	56.9	57.5	58.1	58.7	59.2	60.0	60.6	61.2	61.8	62.5	63.1
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	63.7	64.3	64.9	65.5	66.1	66.7	67.1	67.7	68.3	68.7	69.2	69.7	70.0	70.5	70.9	71.3	71.6	72.0	72.3	72.5
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	72.9	73.1	73.4	73.6	73.8	74.1	74.4	74.7	75.0	75.3	75.7	77.0	77.7	78.4	78.9	79.5	80.0	80.5	80.8	81.1
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.0	82.1	82.2	82.4	82.6	82.7	82.9	83.1	83.3	83.5	83.6
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	83.8	83.9	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	85.0	85.1	85.2	85.2
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	85.3	85.4	85.5	85.7	85.8	85.9	86.1	86.2	86.3	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.1	87.2	87.3	87.3
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	87.4	87.6	87.8	87.8	87.4	87.2	87.3	87.3	87.1	86.8	86.6	86.3	85.9	85.3	84.1	74.0	62.8	59.2	57.7	56.3
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	54.5	51.9	48.8	45.2	41.5	37.8	34.3	31.2	28.4	26.3	24.7	23.8	23.3	23.2	23.3	23.6	24.2	25.1	26.0	26.5
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	26.4	25.4	23.6	21.3	19.0	16.9	14.6	11.8	8.7	5.6	3.1	1.5	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			



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