HOYA

HOYA CANDEO OPTRONICS CORPORATION

Thickness	(-)	mm

E-LA120

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	0.1	0.4	0.9	1.3	1.3	1.3	1.4	2.0	3.4
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	6.2	10.8	16.8	23.0	28.3	31.7	33.7	34.6	35.3	36.2	37.6	39.8	43.0	46.9	51.4	56.1	60.7	64.9	68.7	72.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	74.8	77.0	78.6	79.9	80.5	80.7	80.4	79.9	78.9	77.6	76.3	74.9	73.6	72.4	71.5	70.9	70.6	70.5	70.8	71.4
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	72.2	73.1	74.2	75.5	76.9	78.4	79.8	81.2	82.3	83.5	84.5	85.5	86.1	86.8	87.3	87.6	88.0	88.2	88.4	88.5
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	88.7	88.8	88.9	89.0	89.1	89.2	89.2	89.3	89.3	89.4	89.4	89.6	89.7	89.8	89.9	90.0				

Refractive Index/Absorption coefficient/Reflection coefficent

λnm	400	500	600	700	800	900	1000
n	1.528	1.525	1.524	1.523	1.522	1.522	1.522
K	3.9E-05	1.7E-05	4.1E-06	4.7E-06	7.8E-06	2.5E-06	5.4E-07
P	0.916	0.917	0.917	0.918	0.918	0.918	0.918

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

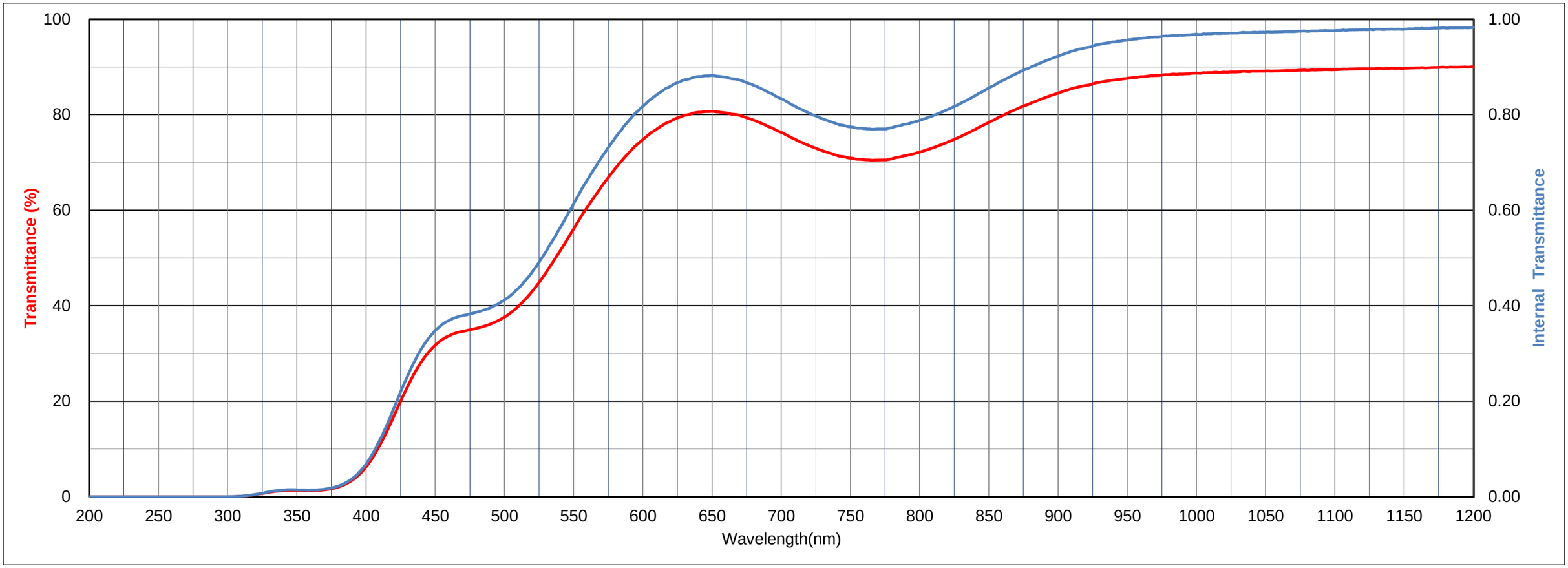
	x	y	Y	λ_d	P_e
A	0.510	0.415	63	590	49
C	0.393	0.375	58	582	38
D65	0.394	0.385	58	582	38

Properties

Chemical		Thermal				Mechanical		Others
D_W	D_A	Tg	Ts	α -30/70	α 100/300	H_K	F_A	d
3	1	515	565	99	110	530	130	2.68

Tolerances of Transmittance(T)

B-R Conversion Value
V(mired)
120±5



All data is mean values of various melts.

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

HOYA

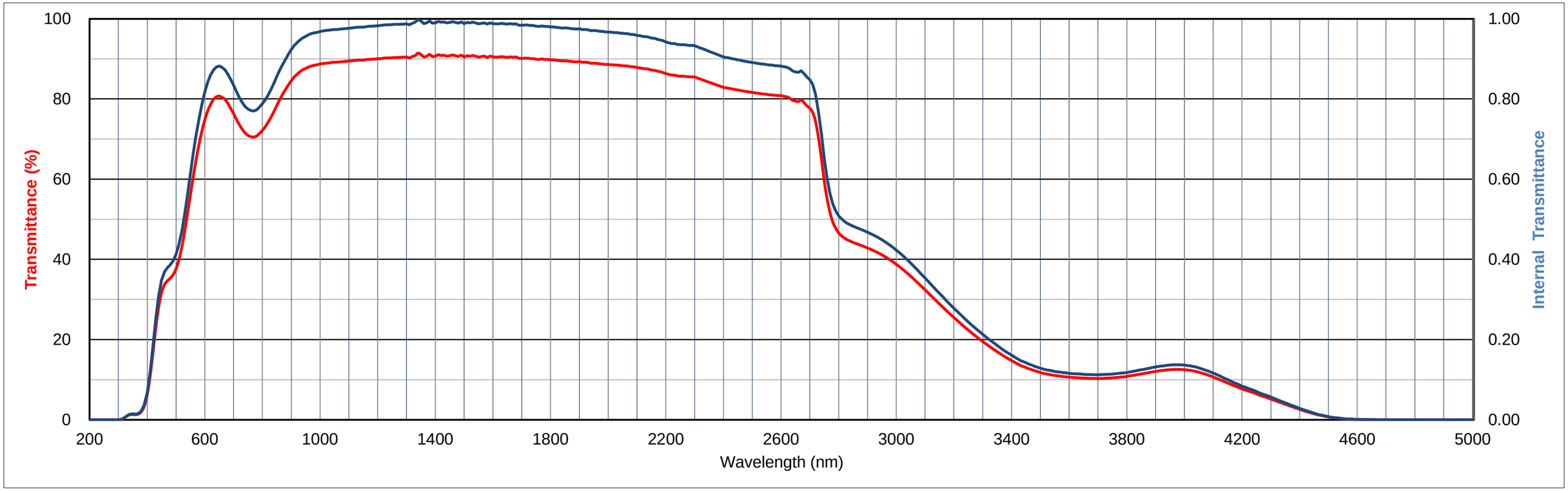
HOYA CANDEO OPTRONICS CORPORATION

Thickness (-) mm

E-LA120

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	0.1	0.4	0.9	1.3	1.3	1.3	1.4	2.0	3.4
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	6.2	10.8	16.8	23.0	28.3	31.7	33.7	34.6	35.3	36.2	37.6	39.8	43.0	46.9	51.4	56.1	60.7	64.9	68.7	72.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	74.8	77.0	78.6	79.9	80.5	80.7	80.4	79.9	78.9	77.6	76.3	74.9	73.6	72.4	71.5	70.9	70.6	70.5	70.8	71.4
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	72.2	73.1	74.2	75.5	76.9	78.4	79.8	81.2	82.3	83.5	84.5	85.5	86.1	86.8	87.3	87.6	88.0	88.2	88.4	88.5
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	88.7	88.8	88.9	89.0	89.1	89.2	89.2	89.3	89.3	89.4	89.4	89.5	89.6	89.7	89.7	89.7	89.8	89.9	89.9	90.0
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	90.0	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.5	90.2	90.6	90.8	91.4	91.1	90.5	90.6	91.1	90.6
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	90.7	91.0	90.8	90.9	90.7	90.8	91.0	90.8	90.6	90.9	90.5	90.8	90.7	90.8	90.7	90.4	90.6	90.7	90.4	90.7
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	90.5	90.4	90.5	90.5	90.5	90.4	90.5	90.4	90.5	90.2	90.1	90.2	90.2	90.1	90.0	89.9	89.9	90.0	89.8	89.8
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	89.8	89.8	89.7	89.6	89.5	89.5	89.5	89.4	89.3	89.2	89.3	89.2	89.2	89.1	88.9	88.9	88.9	88.8	88.7	88.6
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	88.6	88.3	87.8	87.2	86.3	85.7	85.5	84.2	82.9	82.2	81.6	81.2	80.8	79.5	77.7	59.5	46.6	44.2	42.8	41.1
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	38.8	35.8	32.4	28.9	25.5	22.4	19.5	17.0	14.8	13.0	11.8	11.1	10.6	10.4	10.3	10.5	10.8	11.4	12.0	12.5
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	12.5	11.9	10.7	9.2	7.7	6.5	5.2	3.9	2.6	1.5	0.7	0.3	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.

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