

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	0.0	0.0	0.0	0.0	0.2	3.1	10.6	20.1
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	29.2	36.9	42.5	45.9	47.2	45.8	41.5	32.4	20.9	11.3	5.9	2.5	0.9	0.3	0.2	0.4	0.6	0.3	0.1	0.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.7	2.4	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.3
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	2.3	2.3	2.4	2.4	2.5	2.6	2.8	2.9	3.1	3.3	3.6	3.8	4.1	4.4	4.8	5.1	5.5	5.9	6.3	6.7
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	7.1	7.6	8.0	8.4	8.8	9.1	9.4	9.7	9.9	10.0	10.1	10.0	9.7	9.2	8.6	8.0				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.549	1.539	1.534	1.531	1.529	1.528	1.527
K	1.4E-05	4.3E-05	1.6E-04	9.0E-05	9.1E-05	9.3E-05	7.9E-05
P	0.911	0.914	0.915	0.916	0.916	0.916	0.917

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

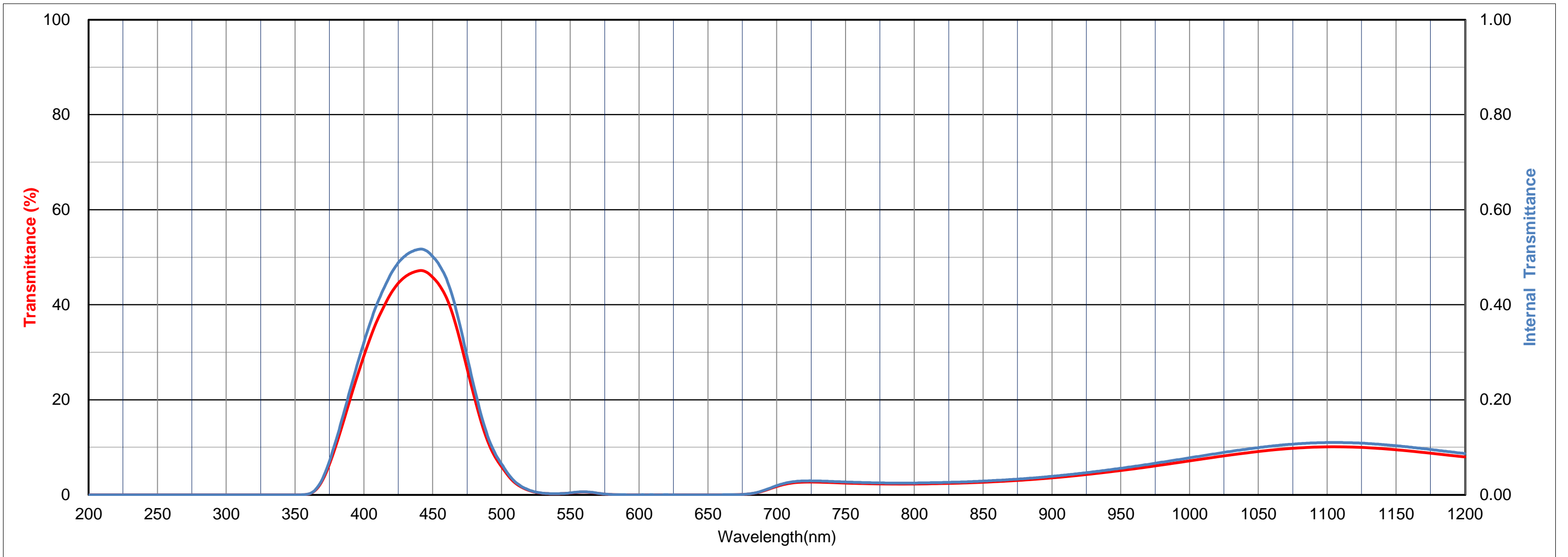
	x	y	Y	λ _d	P _e
A	—	—	—	—	—
C	—	—	—	—	—
D65	—	—	—	—	—

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	d
1	1	480	535	90	105	530	110	2.70

Tolerance of Transmittance (T)

Maximum Transmittance	Less than 1% Wavelength at Short wave Side	Less than 5% Wavelength at Long wave Side
Tmax(%)	λs1(nm)	λl5(nm)
47±3	>350	<520





HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

B440

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	0.0	0.0	0.0	0.0	0.2	3.1	10.6	20.1
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	29.2	36.9	42.5	45.9	47.2	45.8	41.5	32.4	20.9	11.3	5.9	2.5	0.9	0.3	0.2	0.4	0.6	0.3	0.1	0.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.7	2.4	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.3
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	2.3	2.3	2.4	2.4	2.5	2.6	2.8	2.9	3.1	3.3	3.6	3.8	4.1	4.4	4.8	5.1	5.5	5.9	6.3	6.7
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	7.1	7.6	8.0	8.4	8.8	9.1	9.4	9.7	9.9	10.0	10.1	10.1	10.0	9.9	9.7	9.5	9.2	8.9	8.6	8.3
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	8.0	7.7	7.4	7.2	7.1	7.0	7.0	7.1	7.2	7.4	7.7	7.6	7.4	8.5	9.3	10.0	10.6	10.9	11.0	11.0
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	11.0	10.9	10.7	10.5	10.3	10.1	9.8	9.7	9.7	9.7	9.8	10.0	10.3	10.6	10.9	11.3	11.8	12.4	12.9	13.4
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	13.9	14.4	14.8	15.1	15.3	15.5	15.6	15.7	15.7	15.7	15.7	15.7	15.6	15.7	15.7	15.8	16.0	16.3	16.6	17.1
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	17.6	18.2	18.9	19.7	20.5	21.5	22.5	23.5	24.7	25.8	27.1	28.3	29.4	30.6	31.8	33.0	34.1	35.2	36.3	37.4
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	38.4	43.1	47.2	51.0	54.4	57.7	60.9	63.2	64.7	65.3	65.3	65.0	64.1	62.5	59.2	39.9	27.5	26.1	26.4	26.7
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	26.3	25.1	23.4	21.4	19.5	17.7	16.2	14.8	13.6	12.7	12.0	11.8	11.8	12.1	12.5	13.1	13.8	14.7	15.5	15.9
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	15.8	15.0	13.7	12.1	10.5	9.0	7.5	5.9	4.1	2.5	1.3	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			

