

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	0.2	2.3	10.2	27.7	50.2	68.3	79.3	84.4	86.7	88.4	88.6	89.3	89.2	89.2	89.5
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	89.6	89.6	89.8	89.8	89.7	89.8	89.7	89.9	90.0	90.0	89.9	89.9	90.0	89.8	90.0	90.0	90.1	90.1	90.0	90.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	90.0	90.1	90.0	90.0	90.1	90.1	89.9	90.1	90.2	90.2	90.1	90.1	90.2	90.1	89.9	90.1	90.1	90.5	90.5	90.4
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.5	90.5	90.4	90.5	90.6	90.7	90.9	91.1	91.0	91.1	91.2	91.2	91.3	91.3	91.4	91.5	91.5	91.6	91.6	91.7
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	91.6	91.7	91.8	91.7	91.8	91.8	91.9	91.9	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.2				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.536	1.524	1.518	1.514	1.512	1.510	1.509
K	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
P	0.914	0.917	0.919	0.920	0.920	0.921	0.921

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

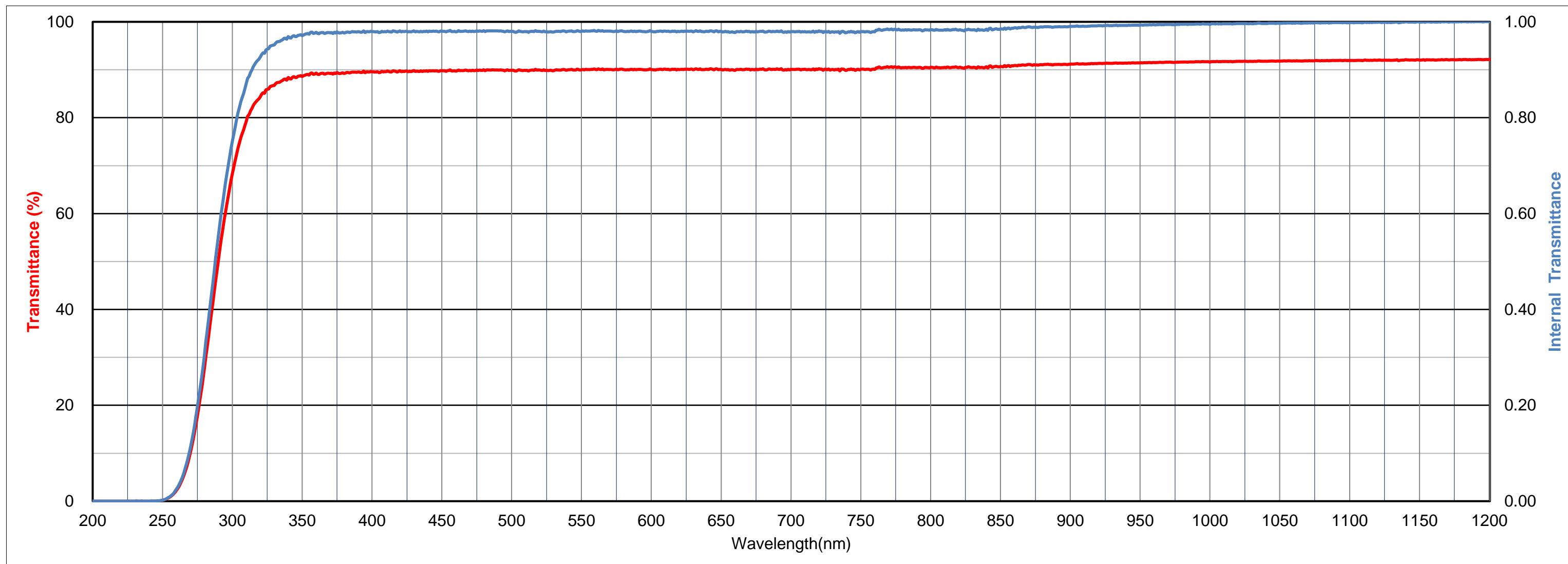
	x	y	Y	λ <sub>d</sub>	P <sub>e</sub>
A	-	-	-	-	-
C	-	-	-	-	-
D65	-	-	-	-	-

Properties

Chemical		Thermal				Mechanical		Others
D <sub>W</sub>	D <sub>A</sub>	T <sub>g</sub>	T <sub>s</sub>	α <sub>-30/70</sub>	α <sub>100/300</sub>	H <sub>K</sub>	F <sub>A</sub>	d
2	1	572	642	73	87	525	100	2.61

Tolerance of Transmittance (T)

Transition Wavelength	Transition Interval	Average High Transmittance
λ T	Δ λ	Th(%)
280±7 nm	< 45 nm	> 85 %





HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

UV28N

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	0.2	2.3	10.2	27.7	50.2	68.3	79.3	84.4	86.7	88.4	88.6	89.3	89.2	89.2	89.5
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	89.6	89.6	89.8	89.8	89.7	89.8	89.7	89.9	90.0	90.0	89.9	89.9	90.0	89.8	90.0	90.0	90.1	90.1	90.0	90.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	90.0	90.1	90.0	90.0	90.1	90.1	89.9	90.1	90.2	90.2	90.1	90.1	90.2	90.1	89.9	90.1	90.1	90.5	90.5	90.4
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.5	90.5	90.4	90.5	90.6	90.7	90.9	91.1	91.0	91.1	91.2	91.2	91.3	91.3	91.4	91.5	91.5	91.6	91.6	91.7
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	91.6	91.7	91.8	91.7	91.8	91.8	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.1	92.0	92.1	92.1	92.1	92.1
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	92.2	92.2	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.1	92.1	92.2	92.0	92.2	91.9
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	91.8	91.7	91.7	91.9	91.9	92.0	92.1	92.1	92.2	92.3	92.3	91.8	91.6	91.1	91.4	91.4	91.3	91.6	91.8	91.0
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	91.2	91.3	91.4	91.4	91.7	91.3	91.5	91.8	91.6	91.7	91.6	91.5	91.5	91.6	91.5	91.6	91.6	91.6	91.5	91.4
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	91.2	91.2	90.9	91.0	90.8	90.8	90.7	90.4	90.8	90.7	90.7	90.7	90.5	90.4	90.4	90.5	90.4	90.3	90.3	90.2
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	90.1	89.8	89.3	88.9	87.5	86.5	86.7	86.8	86.0	85.1	84.1	82.6	82.1	81.2	75.5	29.3	21.4	22.4	23.3	23.7
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	23.3	22.3	20.9	19.4	17.9	16.4	15.0	13.8	12.6	11.6	10.9	10.4	10.2	10.0	10.2	10.7	11.2	11.5	11.7	11.9
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	11.7	11.0	9.9	8.3	6.5	4.7	3.5	2.5	1.6	0.8	0.4	0.1	0.1	0.0	-0.0	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			

