

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	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
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	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	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.7	1.2	1.8	2.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	4.1	5.8	8.0	10.7	13.9	17.8	21.9	26.3	30.8	35.6	40.3	45.0	49.5	53.7	57.6	61.1	64.3	67.3	69.9	72.2
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	74.3	76.2	77.8	79.2	80.4	81.5	82.5	83.3	84.0	84.6	85.3	86.1	86.9	87.4	87.8	88.2				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.573	1.556	1.549	1.544	1.541	1.539	1.537
K	1.2E-04	4.0E-04	6.1E-04	2.7E-04	8.0E-05	2.2E-05	6.1E-06
P	0.905	0.910	0.911	0.913	0.913	0.914	0.914

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

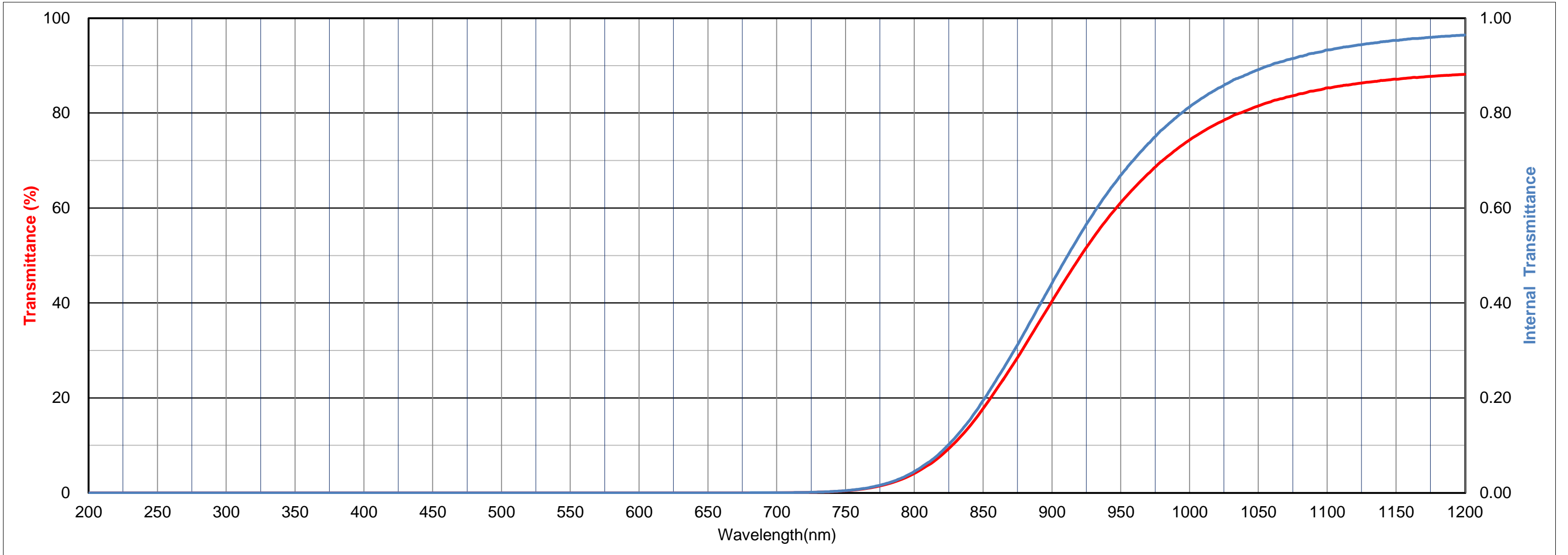
	x	y	Y	λ _d	P _e
A	-	-	-	-	-
C	-	-	-	-	-
D65	-	-	-	-	-

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	d
3	3	400	490	107	125	450	170	3.15

Tolerance of Transmittance (T)

Wavelength for less than 5% Transmittance	Transmittance at 1050nm
λ5(nm)	λ80(nm)
>770	<1050





HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

RM90

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	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
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	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	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.7	1.2	1.8	2.8
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	4.1	5.8	8.0	10.7	13.9	17.8	21.9	26.3	30.8	35.6	40.3	45.0	49.5	53.7	57.6	61.1	64.3	67.3	69.9	72.2
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	74.3	76.2	77.8	79.2	80.4	81.5	82.5	83.3	84.0	84.6	85.3	85.7	86.1	86.5	86.9	87.1	87.4	87.6	87.8	88.0
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	88.2	88.3	88.5	88.5	88.6	88.7	88.8	88.9	89.0	89.0	89.2	89.6	89.9	90.0	90.2	90.3	90.3	90.4	90.3	90.3
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	90.4	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.5	90.6	90.6	90.6	90.6	90.5	90.5	90.5	90.5	90.5	90.5
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	90.4	90.4	90.4	90.4	90.4	90.4	90.3	90.3	90.3	90.3	90.2	90.2	90.2	90.1	90.1	90.0	90.0
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	90.0	89.9	89.9	89.9	89.8	89.8	89.8	89.8	89.7	89.7	89.7	89.6	89.6	89.6	89.5	89.5	89.5	89.4	89.4	89.3
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	89.3	89.2	89.0	88.7	88.3	87.8	87.6	87.4	87.2	85.6	85.4	85.2	84.8	84.3	83.4	79.0	70.8	66.6	63.6	60.6
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	57.5	54.2	50.5	46.8	43.1	39.6	36.3	33.4	31.0	29.1	27.7	27.0	26.8	26.8	27.1	27.7	28.6	30.1	31.5	32.4
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	32.3	31.1	29.0	26.6	24.6	23.1	22.1	20.8	18.6	14.7	10.0	5.7	2.8	1.2	0.5	0.2	0.1	0.0	0.0	0.0
λnm	5000																			
T	0.0																			

