

DATA SHEET

HOYA® R60

HOYA

HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

R60

Transmittance (T)		units: %																			
λnm	T	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
λnm	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	T	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
λnm	T	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
λnm	T	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
λnm	T	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
λnm	T	90.7	90.8	90.8	90.7	90.7	90.8	90.7	90.7	90.8	90.8	90.7	90.8	90.9	91.0	90.9	91.0				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	n	K	P
400	1.550	6.1E-03	0.911
500	1.538	1.4E-03	0.914
600	1.530	2.1E-05	0.916
700	1.526	2.6E-23	0.917
800	1.523	7.0E-65	0.918
900	1.522	3E-114	0.918
1000	1.520	1E-164	0.918

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

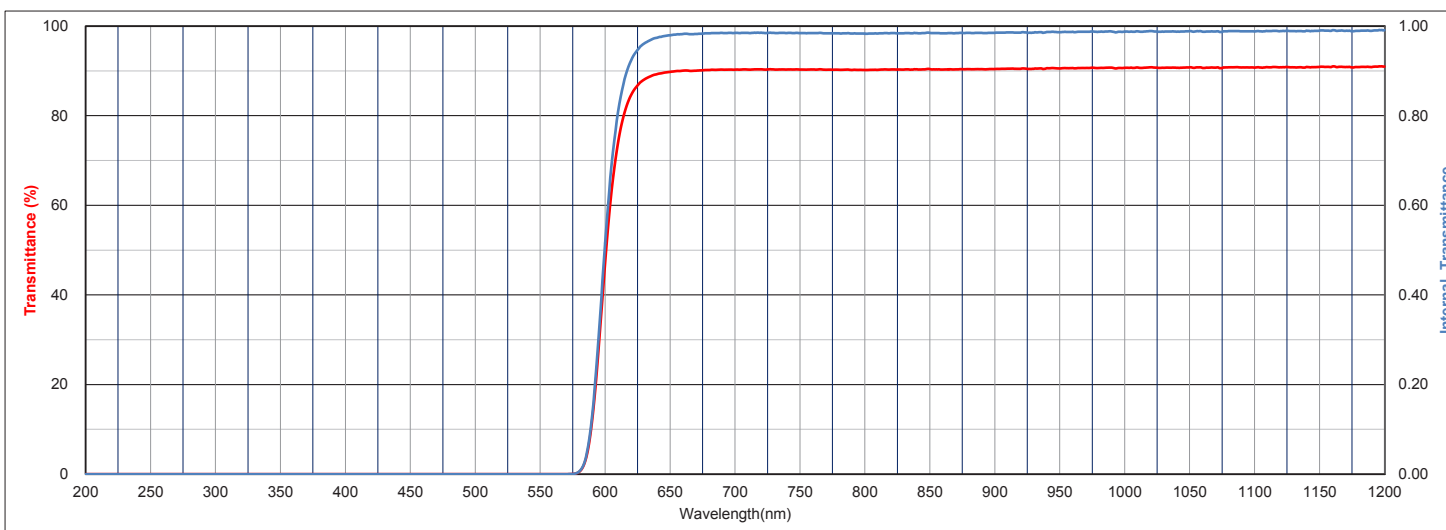
	x	y	Y	λs	P _s
A	0.686	0.314	22	617	100
C	0.682	0.318	14	615	100
D65	0.681	0.319	14	615	100

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	2	560	620	93	103	520	140	2.69

Tolerance of Transmittance (τ)

λτ (nm)	Δλ (nm)	TH (%)
600±5	<25	>85



All data is mean values of various melts.

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

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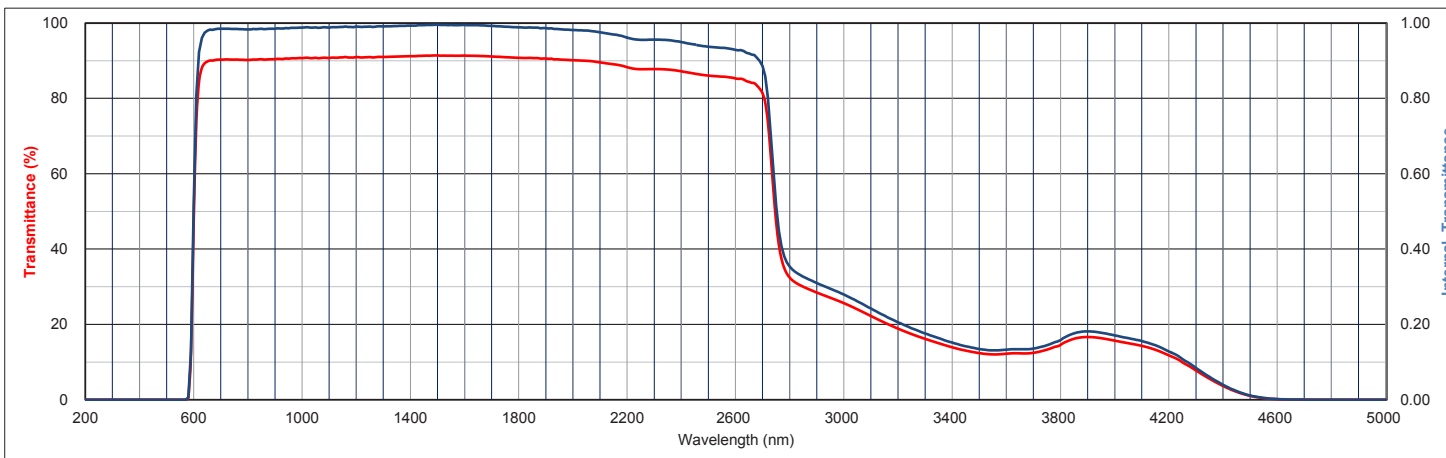
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λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
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	0.5	12.0
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	47.2	74.1	84.6	88.1	89.3	89.8	90.1	90.0	90.2	90.3	90.3	90.3	90.4	90.3	90.3	90.3	90.3	90.3	90.3	90.2
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.2	90.2	90.3	90.3	90.4	90.4	90.3	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.6	90.5	90.6	90.6	90.6	90.7
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	90.7	90.8	90.8	90.7	90.7	90.8	90.7	90.7	90.8	90.8	90.7	90.8	90.8	90.8	90.9	90.9	91.0	90.9	90.9	90.8
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	91.0	90.9	90.9	90.9	90.9	91.0	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	91.2	91.2	91.2	91.3	91.3	91.3	91.4	91.3	91.4	91.4	91.4	91.3	91.4	91.3	91.3	91.4	91.3	91.3	91.3	91.3
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	91.4	91.3	91.3	91.3	91.3	91.3	91.3	91.2	91.2	91.2	91.1	91.1	91.1	91.0	91.0	90.9	90.9	90.9	90.8	90.8
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	90.8	90.7	90.7	90.7	90.8	90.7	90.7	90.7	90.6	90.6	90.6	90.5	90.5	90.4	90.4	90.3	90.3	90.3	90.2	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	90.0	89.6	89.1	88.3	87.8	87.8	87.7	87.2	86.6	86.1	85.8	85.3	84.4	81.4	47.3	32.4	30.0	28.5	27.1
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	25.6	24.0	22.2	20.5	18.9	17.4	16.2	15.0	13.9	13.0	12.4	12.0	12.2	12.3	12.4	13.3	14.5	16.2	16.6	16.3
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	15.7	15.0	14.3	13.3	11.8	9.9	7.8	5.6	3.6	2.1	1.0	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			



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