

# DATA SHEET

# HOYA® G530

**HOYA**

HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

**G530**

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	0.2	0.7	1.9	4.6	9.0	14.1	18.0	18.8	16.0	11.3	6.7	3.4	1.5	0.6
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.2	0.1	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	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
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	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.6	0.8	1.0				

**Refractive Index/Absorption coefficient/Reflection coefficient**

λnm	400	500	600	700	800	900	1000
n	1.597	1.581	1.573	1.568	1.565	1.564	1.562
K	5.6E-04	3.7E-05	1.0E-04	2.2E-04	5.3E-04	8.0E-04	9.4E-04
P	0.900	0.904	0.906	0.907	0.907	0.908	0.908

**Classes of Bubbles and Inclusions**

Bubble Class	3
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**Color Specification**

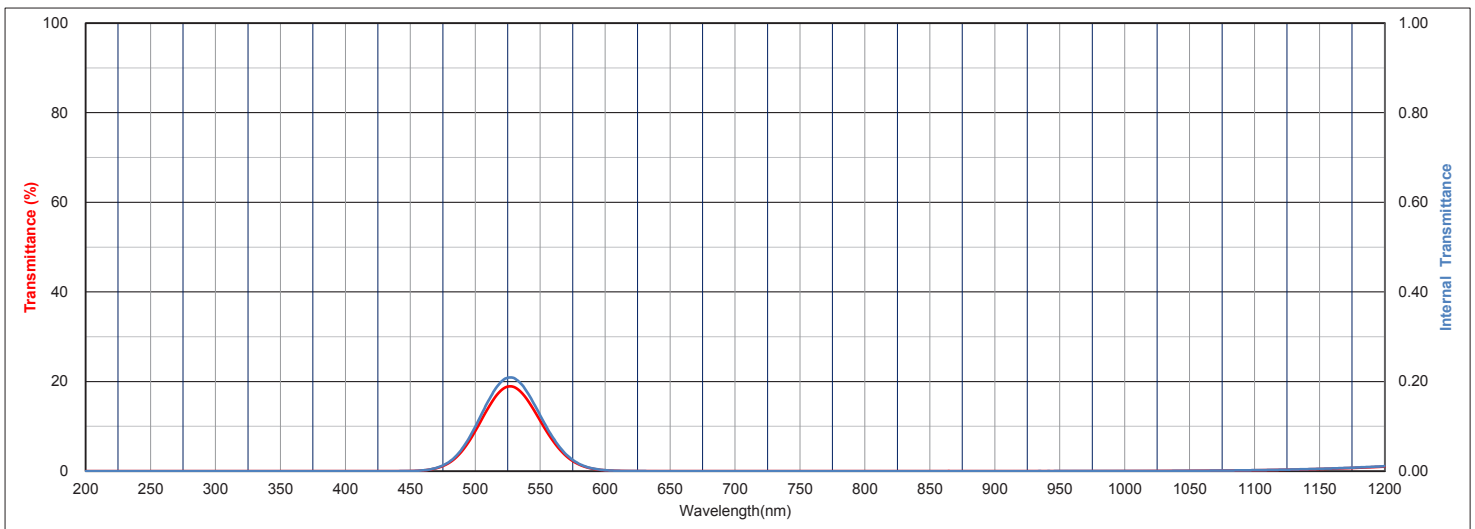
	x	y	Y	λs	P <sub>s</sub>
A	0.229	0.692	6	527	69
C	0.203	0.681	7	532	76
D65	0.199	0.689	8	531	76

**Properties**

Chemical		Thermal				Mechanical		Others
D <sub>w</sub>	D <sub>k</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>k</sub>	d
1	1	450	495	94	100	500	130	3.12

**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)
18±3	>470	<580



All data is mean values of various melts.

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

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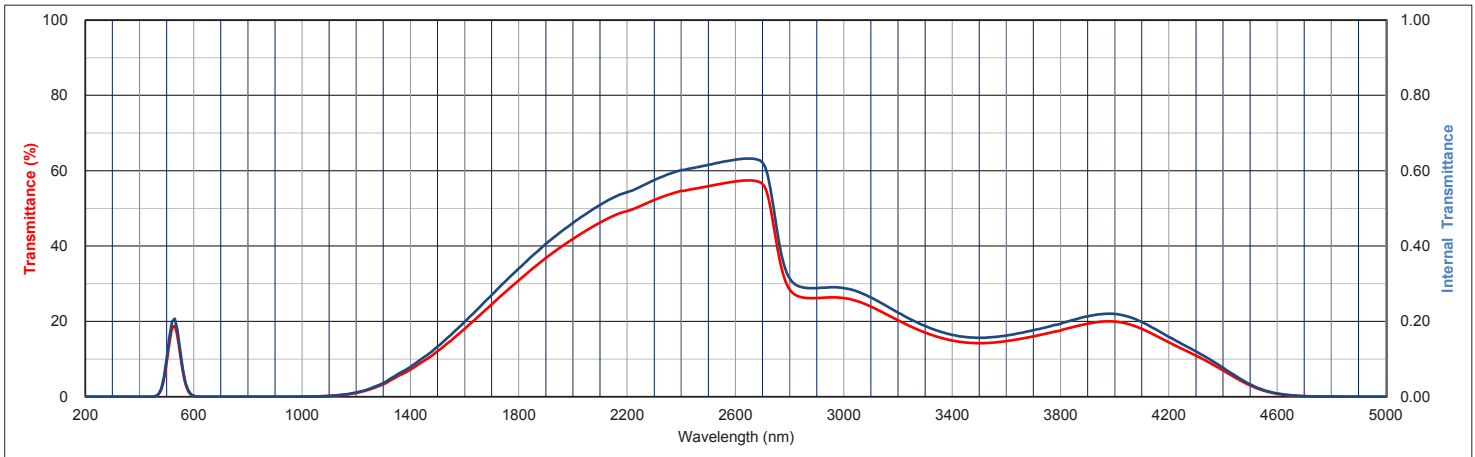
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λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.9	4.6	9.0	14.1	18.0	18.8	16.0	11.3	6.7	3.4	1.5	0.6
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	0.2	0.1	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	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
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	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
T	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
T	1.0	1.2	1.3	1.5	1.7	1.9	2.2	2.5	2.7	3.0	3.3	3.6	4.1	4.5	4.9	5.3	5.7	6.0	6.4	6.8
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
T	7.2	7.6	8.1	8.6	9.1	9.5	10.0	10.4	11.0	11.5	12.1	12.6	13.2	13.8	14.4	14.9	15.5	16.2	16.8	17.4
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
T	18.0	18.7	19.3	20.0	20.6	21.3	21.9	22.6	23.2	23.9	24.5	25.2	25.8	26.5	27.1	27.8	28.4	29.1	29.7	30.3
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
T	30.9	31.5	32.1	32.7	33.4	34.0	34.5	35.1	35.7	36.3	36.8	37.4	37.9	38.4	39.0	39.5	40.0	40.5	40.9	41.4
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
T	41.9	44.2	46.2	48.0	49.3	50.7	52.2	53.6	54.6	55.2	55.9	56.6	57.2	57.4	56.5	41.5	28.5	26.3	26.2	26.4
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
T	26.2	25.4	23.9	22.2	20.3	18.5	17.0	15.8	14.9	14.4	14.2	14.4	14.8	15.3	16.0	16.8	17.6	18.6	19.4	19.9
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
T	19.9	19.3	18.0	16.3	14.4	12.7	10.9	9.0	7.0	4.9	3.0	1.6	0.8	0.3	0.1	0.1	0.0	0.0	0.0	0.0
λnm	5000																			
T	0.0																			



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