

DATA SHEET

HOYA® L37

HOYA

HOYA CANDEO OPTRONICS CORPORATION

Thickness 2.50 mm

L37

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	0.1	8.2	38.1	63.4	76.3
λnm	T	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
λnm	T	82.4	85.3	86.7	87.5	87.9	88.1	88.3	88.4	88.5	88.6	88.6	88.6	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9
λnm	T	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
λnm	T	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.2	89.2
λnm	T	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
λnm	T	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.9
λnm	T	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
λnm	T	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.2	90.2	90.2	90.2				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	n	K	P
400	1.605	8.2E-07	0.898
500	1.588	8.8E-08	0.902
600	1.580	2.8E-08	0.904
700	1.575	1.1E-08	0.905
800	1.572	5.7E-09	0.906
900	1.570	3.3E-09	0.906
1000	1.569	2.1E-09	0.907

Classes of Bubbles and Inclusions

Bubble Class	3
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Color Specification

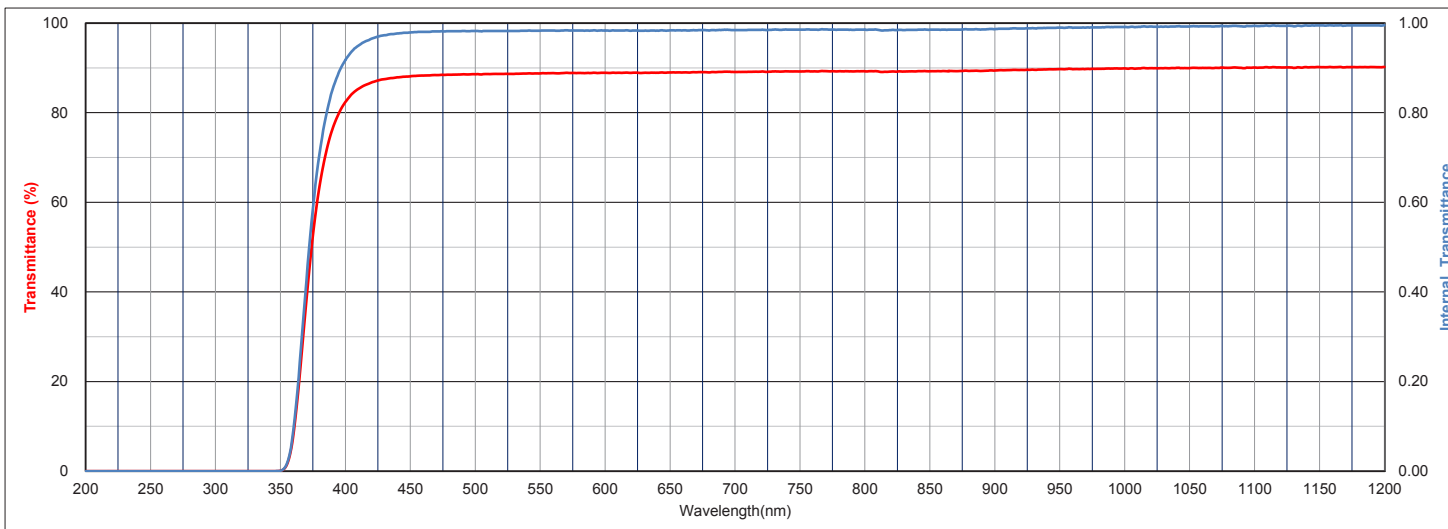
	x	y	Y	λ _s	P _s
A	0.448	0.408	87	583	1
C	0.311	0.317	87	572	0
D65	0.314	0.330	87	572	1

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _k	T _g	T _s	α _{-30/70}	α _{100/300}	H _k	F _k	d
2	1	440	490	94	103	460	170	3.26

Tolerance of Transmittance (t)

λt (nm)	Δλ (nm)	TH (%)
370±5	<35	>85



All data is mean values of various melts.

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

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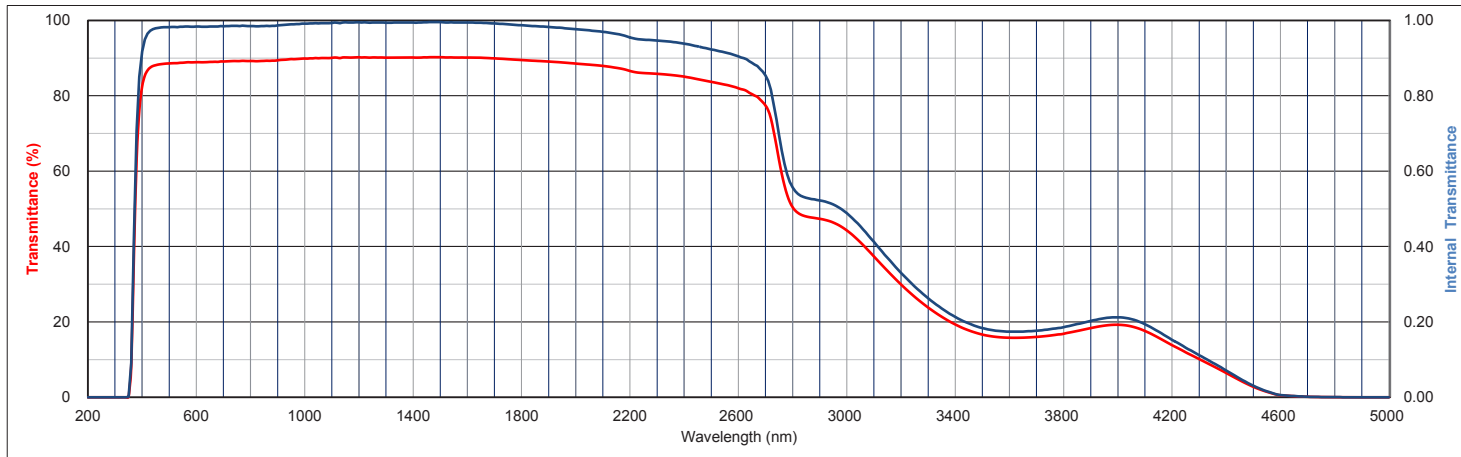


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Transmittance (T)		units: %																			
λnm	T	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
λnm	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	8.2	38.1	63.4	76.3
λnm	T	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
λnm	T	82.4	85.3	86.7	87.5	87.9	88.1	88.3	88.4	88.5	88.6	88.6	88.6	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9
λnm	T	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
λnm	T	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.2	89.2
λnm	T	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
λnm	T	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.8	89.9
λnm	T	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
λnm	T	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.0	90.2	90.2	90.2	90.1	90.2	90.2
λnm	T	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
λnm	T	90.2	90.2	90.2	90.2	90.1	90.2	90.2	90.1	90.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
λnm	T	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
λnm	T	90.2	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.1	90.1	90.1	90.1
λnm	T	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
λnm	T	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.0	89.9	89.9	89.9	89.9	89.8	89.8	89.8	89.7	89.7	89.6	89.6	89.5
λnm	T	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
λnm	T	89.5	89.4	89.4	89.4	89.3	89.3	89.2	89.2	89.2	89.1	89.1	89.0	89.0	88.9	88.9	88.8	88.8	88.7	88.7	88.6
λnm	T	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
λnm	T	88.5	88.3	87.9	87.4	86.6	86.0	85.8	85.5	85.1	84.4	83.7	83.0	82.0	80.4	77.4	62.9	50.4	48.0	47.4	46.4
λnm	T	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
λnm	T	44.3	41.1	37.4	33.6	29.9	26.7	23.8	21.4	19.3	17.8	16.6	16.0	15.8	15.8	16.0	16.4	16.8	17.6	18.4	19.0
λnm	T	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
λnm	T	19.2	18.8	17.6	15.8	13.8	11.9	10.1	8.3	6.4	4.5	2.8	1.4	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0
λnm	T	5000																			
λnm	T	0.0																			



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