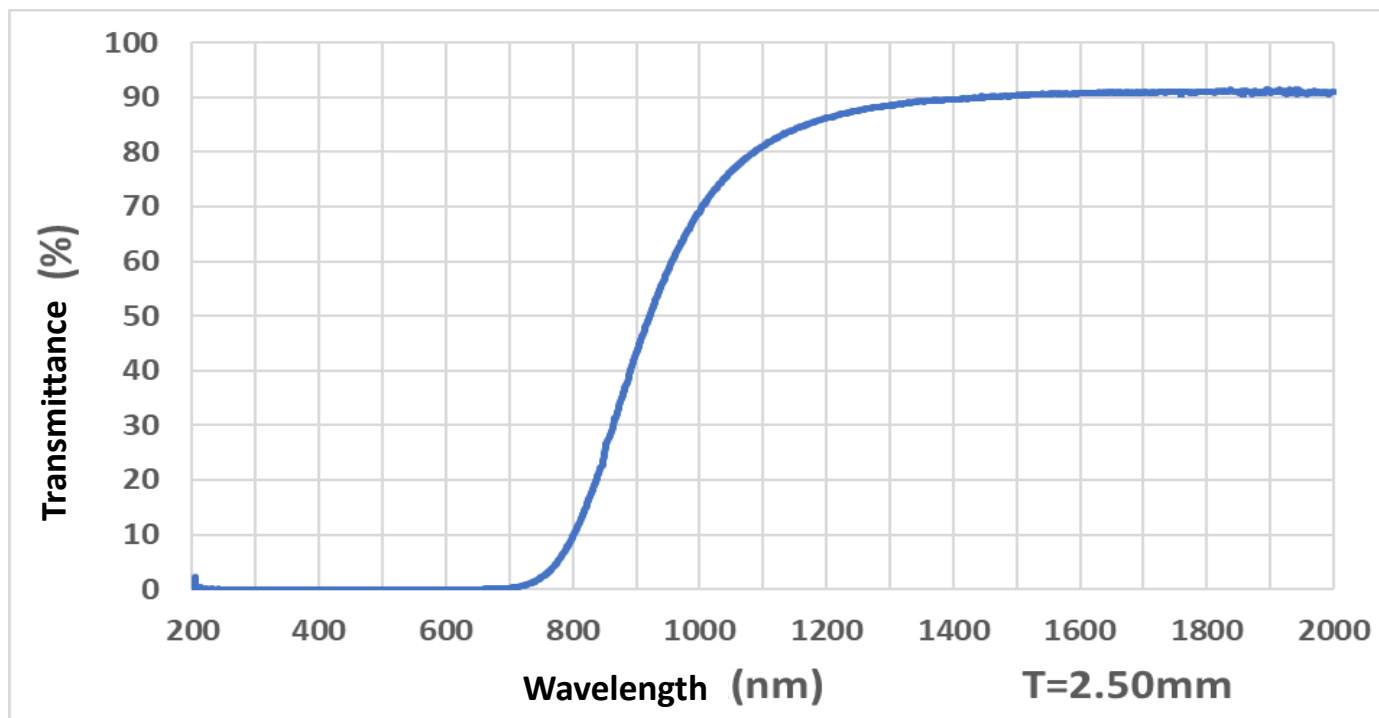


Segment : Long-pass (IR) filter

MATSUNAMI GLASS IND., LTD

Products: LG1000



T=2.50mm

λ	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450
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	0.0
λ	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660
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	0.0
λ	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870
T	0.1	0.1	0.2	0.2	0.4	0.6	1.0	1.5	2.2	3.1	4.3	5.8	7.6	9.7	12.2	15.0	18.0	21.0	25.0	28.7	32.4
λ	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080
T	36.1	39.7	43.3	46.6	49.6	52.9	55.7	58.3	60.9	63.3	65.4	67.5	69.2	71.0	72.6	74.1	75.3	76.4	77.6	78.6	79.6
λ	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290
T	80.5	81.2	81.8	82.6	83.1	83.7	84.2	84.7	85.1	85.5	85.8	86.2	86.4	86.8	87.1	87.4	87.6	87.8	88	88.2	88.4
λ	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500
T	88.5	88.7	88.8	89.1	89.2	89.3	89.3	89.5	89.4	89.6	89.7	89.6	89.7	89.8	89.9	90.1	90.2	90.1	90.3	90.3	90.4

### < Characteristics >

λ = Wavelength(nm) T=Transmittance(%)

Product name	LG1000
Refractive index (nD)	-
Expansion coefficient α [10 <sup>-7</sup> /°C]	80.42 (100/300)
Transition point T <sub>g</sub> [°C]	548
Deformation point At [°C]	613
Softening point T <sub>s</sub> [°C]	-
Knoop hardness Hk	- (100g/15sec)
Density [g/cm <sup>3</sup> ]	2.676

60°C/90% RH(non-coated)	1000HR
Optical property (non-coated)	Thickness 2.5mm
400nm	0.0%
800nm	9.7%
1000nm	69.2%
1200nm	86.2%
Half maximum (50%)	921nm
Composition type	Silicate
RoHS regulated substances (Pb,Hg,Cr(VI),Cd)	Not contained
Halogenated substances	Not contained