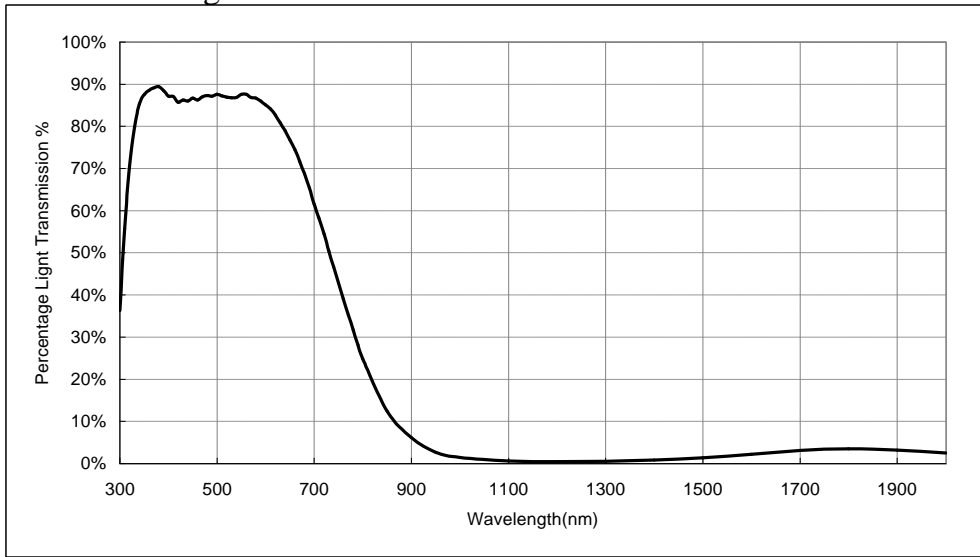


# ISK-150

This transmittance is an approximate value when thickness is changed.

## Heat absorbing filter



<b>t</b>
Thickness (mm) <b>3.0</b>

Ref. Factor                      0.918  
 $n_d$  (587.6nm)                    1.523

Wavelength(nm)	Transmittance(%)
300	36.3%
310	55.8%
320	70.4%
330	79.9%
340	85.4%
350	87.5%
360	88.5%
370	89.1%
380	89.4%
390	88.4%
400	87.2%
410	87.1%
420	85.7%
430	86.3%
440	86.1%
450	86.7%
460	86.2%
470	87.1%
480	87.3%
490	87.2%
500	87.6%
510	87.3%
520	86.9%
530	86.8%
540	86.9%
550	87.6%
560	87.6%
570	86.9%
580	86.8%
590	86.0%
600	85.2%
610	84.1%
620	82.7%
630	80.8%
640	79.0%
650	76.8%
660	74.5%
670	71.7%
680	68.8%
690	65.4%

Wavelength (nm)	Transmittance(%)
700	61.6%
710	58.3%
720	54.5%
730	50.4%
740	46.7%
750	42.9%
760	39.1%
770	35.3%
780	31.8%
790	28.1%
800	24.8%
850	12.4%
900	6.1%
950	2.6%
1000	1.5%
1100	0.6%
1200	0.5%
1300	0.5%
1400	0.8%
1500	1.3%
1600	2.2%
1700	3.1%
1800	3.5%
1900	3.2%
2000	2.5%

### Tolerance range (thickness=3mm)

Wavelength of 50%	728+-13 nm
Minimum T. for 400nm	84%
Maximum T. for 800nm	27%
Minimum Average T. for 550nm from 400nm	84%

Contact:

Isuzu Glass, Inc.  
 4100 Birch Street, Suite 110  
 Newport Beach, CA 92660  
 Phone: (949)851-2207  
 Fax: (949)851-6208

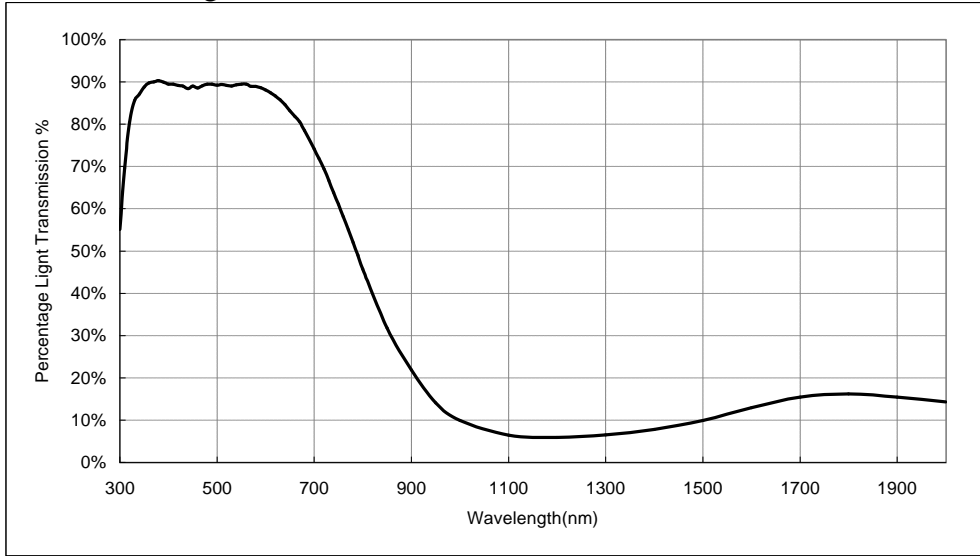
All data are mean values of various melts.

ISUZU GLASS CO., LTD.

# ISK-370

This transmittance is an approximate value when thickness is changed.

## Heat absorbing filter



<b>t</b>
Thickness (mm) <b>3.0</b>

Ref. Factor                    0.919  
 $n_d$  (587.6nm)                1.517

Wavelength(nm)	Transmittance(%)
300	55.1%
310	69.7%
320	80.3%
330	85.7%
340	87.1%
350	88.8%
360	89.8%
370	90.0%
380	90.3%
390	89.9%
400	89.5%
410	89.5%
420	89.2%
430	89.0%
440	88.4%
450	89.0%
460	88.6%
470	89.1%
480	89.5%
490	89.5%
500	89.3%
510	89.4%
520	89.2%
530	89.1%
540	89.3%
550	89.5%
560	89.5%
570	88.9%
580	88.9%
590	88.7%
600	88.2%
610	87.4%
620	86.7%
630	85.8%
640	84.7%
650	83.2%
660	81.9%
670	80.6%
680	78.5%
690	76.4%

Wavelength (nm)	Transmittance(%)
700	74.2%
710	71.9%
720	69.4%
730	66.7%
740	63.8%
750	61.1%
760	58.2%
770	55.0%
780	52.0%
790	49.0%
800	45.7%
850	31.8%
900	21.9%
950	14.1%
1000	10.0%
1100	6.5%
1200	5.9%
1300	6.5%
1400	7.8%
1500	9.9%
1600	13.0%
1700	15.4%
1800	16.2%
1900	15.4%
2000	14.3%

### Tolerance range (thickness=3mm)

Wavelength of 50%	783+-13 nm
Minimum T. for 400nm	87%
Maximum T. for 800nm	48%
Minimum Average T. for 550nm from 400nm	87%

Contact:

Isuzu Glass, Inc.  
 4100 Birch Street, Suite 110  
 Newport Beach, CA 92660  
 Phone: (949)851-2207  
 Fax: (949)851-6208

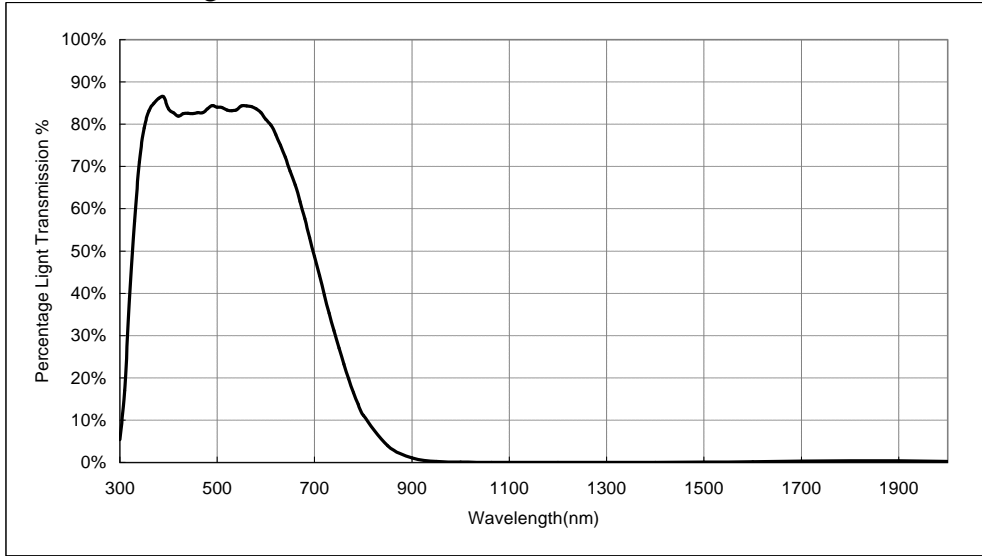
All data are mean values of various melts.

ISUZU GLASS CO., LTD.

# ISK-157

This transmittance is an approximate value when thickness is changed.

## Heat absorbing filter



<b>t</b>
Thickness (mm) <b>3.0</b>

Ref. Factor                      0.918  
 $n_d$  (587.6nm)                    1.523

Wavelength(nm)	Transmittance(%)
300	5.3%
310	17.0%
320	38.8%
330	57.1%
340	71.1%
350	79.1%
360	83.2%
370	84.9%
380	86.2%
390	86.4%
400	83.7%
410	82.7%
420	81.9%
430	82.5%
440	82.6%
450	82.5%
460	82.8%
470	82.8%
480	83.6%
490	84.4%
500	84.0%
510	83.9%
520	83.4%
530	83.2%
540	83.4%
550	84.3%
560	84.3%
570	84.2%
580	83.7%
590	82.7%
600	81.2%
610	79.8%
620	77.6%
630	75.0%
640	72.2%
650	68.9%
660	65.6%
670	61.7%
680	57.7%
690	53.2%

Wavelength (nm)	Transmittance(%)
700	48.7%
710	44.2%
720	39.6%
730	35.3%
740	31.2%
750	27.0%
760	23.3%
770	19.8%
780	16.5%
790	13.7%
800	11.1%
850	3.9%
900	1.1%
950	0.3%
1000	0.1%
1064	0.029%
1100	0.0%
1200	0.0%
1300	0.0%
1400	0.0%
1500	0.1%
1600	0.1%
1700	0.3%
1800	0.3%
1900	0.4%
2000	0.3%

### Tolerance range (thickness=3mm)

Wavelength of 50%	698+-13 nm
Minimum T. for 400nm	80%
Maximum T. for 800nm	13%
Minimum Average T. for 550nm from 400nm	80%

Contact:

Isuzu Glass, Inc.  
 4100 Birch Street, Suite 110  
 Newport Beach, CA 92660  
 Phone: (949)851-2207  
 Fax: (949)851-6208

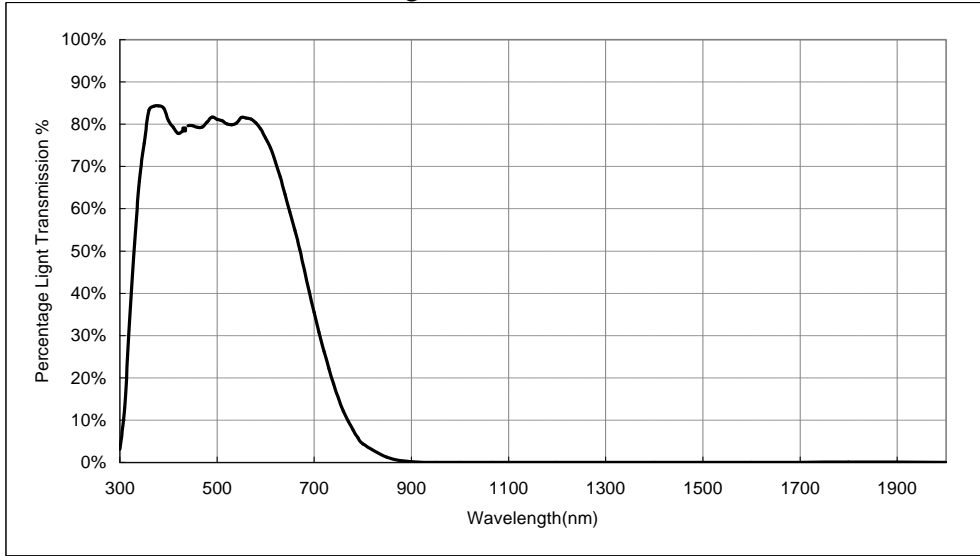
All data are mean values of various melts.

ISUZU GLASS CO., LTD.

# ISK-167

This transmittance is an approximate value when thickness is changed.

## Infrared laser beam absorbing filter



<b>t</b>
Thickness (mm) <b>3.0</b>

Ref. Factor                      0.916  
 $n_d$  (587.6nm)                    1.528

Wavelength(nm)	Transmittance(%)
300	3.1%
310	12.9%
320	33.2%
330	51.8%
340	66.6%
350	75.5%
360	83.4%
370	84.2%
380	84.3%
390	83.8%
400	80.8%
410	79.3%
420	77.8%
430	78.4%
440	79.6%
450	79.7%
460	79.2%
470	79.3%
480	80.6%
490	81.7%
500	81.2%
510	80.9%
520	80.1%
530	79.8%
540	80.2%
550	81.6%
560	81.5%
570	81.2%
580	80.3%
590	78.9%
600	76.8%
610	74.3%
620	71.1%
630	67.6%
640	63.5%
650	59.3%
660	54.9%
670	50.4%
680	45.4%
690	40.4%

Wavelength (nm)	Transmittance(%)
700	35.5%
710	30.8%
720	26.3%
730	22.2%
740	18.6%
750	15.2%
760	12.2%
770	9.7%
780	7.6%
790	5.8%
800	4.4%
850	1.2%
900	0.2%
950	0.0%
1000	0.0%
1064	0.001%
1100	0.0%
1200	0.0%
1300	0.0%
1400	0.0%
1500	0.0%
1600	0.0%
1700	0.0%
1800	0.0%
1900	0.0%
2000	0.0%

### Tolerance range (thickness=3mm)

Wavelength of 50%	668+-13 nm
Minimum T. for 400nm	78%
Maximum T. for 800nm	6%
Minimum Average T. for 550nm from 400nm	78%

Contact:

Isuzu Glass, Inc.  
 4100 Birch Street, Suite 110  
 Newport Beach, CA 92660  
 Phone: (949)851-2207  
 Fax: (949)851-6208

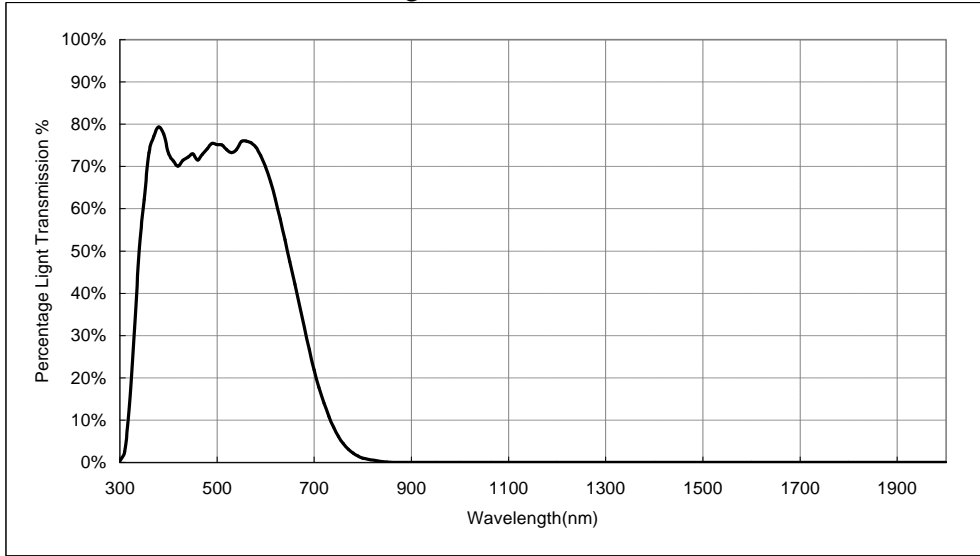
All data are mean values of various melts.

ISUZU GLASS CO., LTD.

# ISK-171

This transmittance is an approximate value when thickness is changed.

## Infrared laser beam absorbing filter



<b>t</b>
Thickness (mm) <b>3.0</b>

Ref. Factor                      0.916  
 $n_d$  (587.6nm)                    1.530

Wavelength(nm)	Transmittance(%)
300	0.3%
310	2.5%
320	13.6%
330	31.8%
340	50.7%
350	62.1%
360	73.3%
370	77.1%
380	79.4%
390	77.7%
400	73.1%
410	71.3%
420	70.1%
430	71.5%
440	72.2%
450	73.0%
460	71.5%
470	72.9%
480	74.2%
490	75.5%
500	75.2%
510	75.1%
520	74.0%
530	73.3%
540	74.0%
550	76.0%
560	76.0%
570	75.6%
580	74.6%
590	72.6%
600	69.9%
610	66.4%
620	62.3%
630	57.6%
640	52.7%
650	47.5%
660	42.2%
670	36.9%
680	31.8%
690	26.7%

Wavelength (nm)	Transmittance(%)
700	21.9%
710	17.7%
720	14.0%
730	10.9%
740	8.3%
750	6.2%
760	4.4%
770	3.1%
780	2.2%
790	1.5%
800	1.0%
850	0.1%
900	0.0%
950	0.0%
1000	0.0%
1064	4.80E-08
1100	0.0%
1200	0.0%
1300	0.0%
1400	0.0%
1500	0.0%
1600	0.0%
1700	0.0%
1800	0.0%
1900	0.0%
2000	0.0%

### Tolerance range (thickness=3mm)

Wavelength of 50%	643+-13 nm
Minimum T. for 400nm	70%
Maximum T. for 800nm	2%
Minimum Average T. for 550nm from 400nm	70%

Contact:

Isuzu Glass, Inc.  
 4100 Birch Street, Suite 110  
 Newport Beach, CA 92660  
 Phone: (949)851-2207  
 Fax: (949)851-6208

All data are mean values of various melts.

ISUZU GLASS CO., LTD.