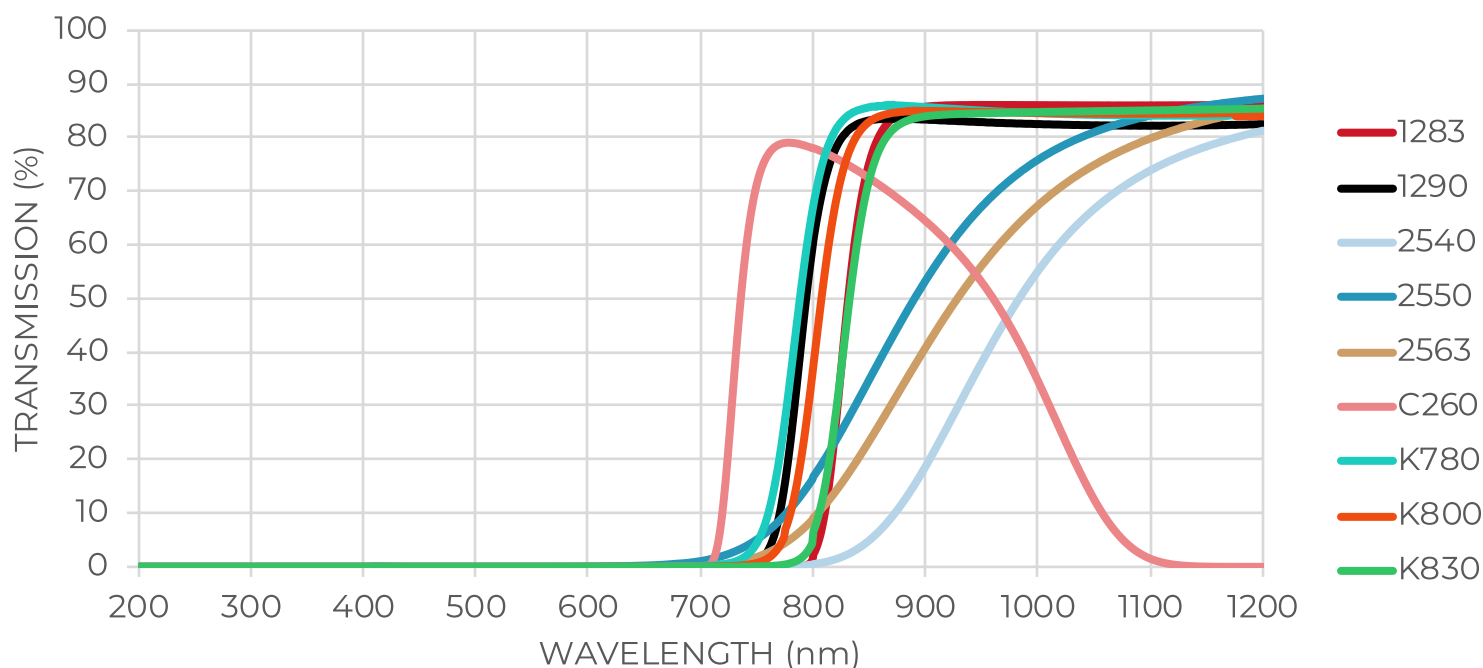




INFRARED (IR) BANDPASS

filter glass data sheets



IR TRANSMITTING / VISIBLE ABSORBING GLASS COMPOSITIONS

Click glass product number to jump to data sheet.

[1283](#)

[1290](#)

[2540](#)

[2550](#)

[2563](#)

[C260](#)

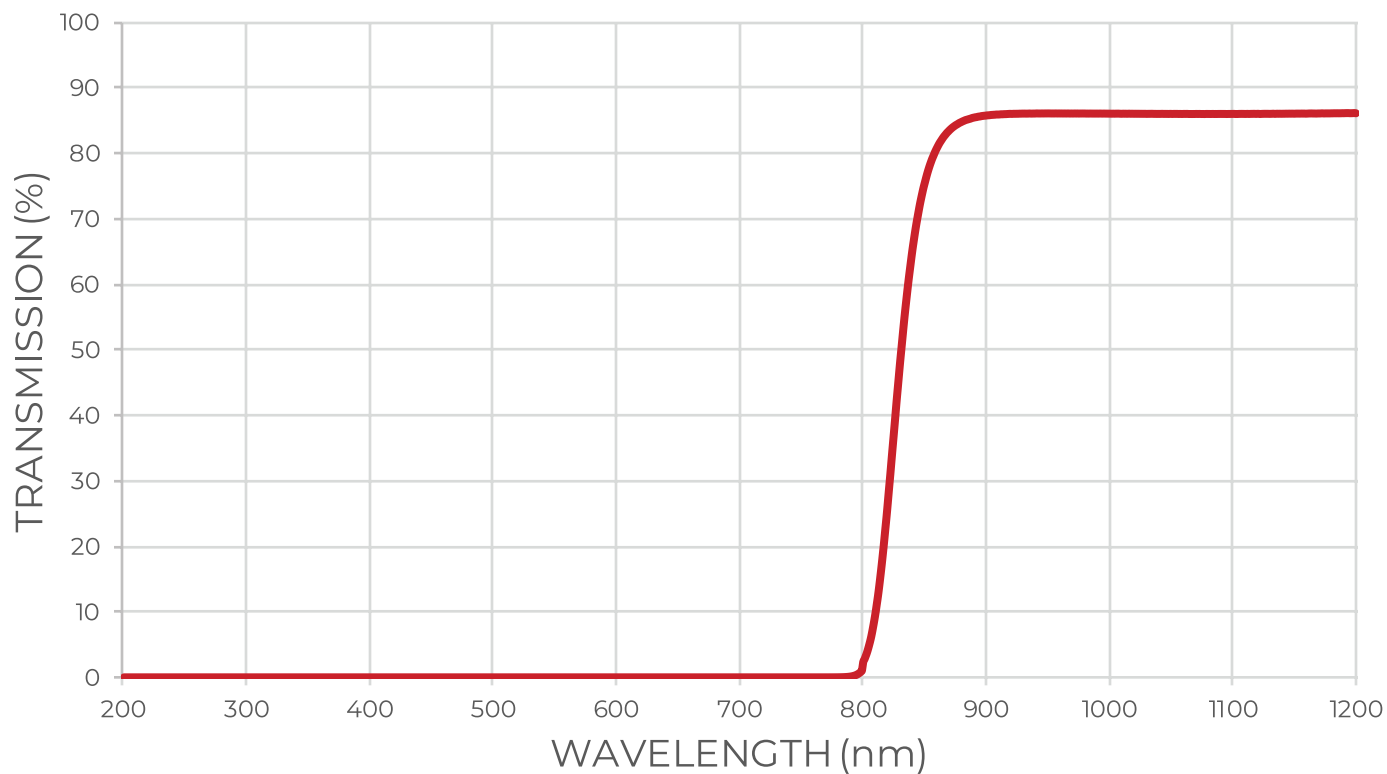
[K780](#)

[K800](#)

[K830](#)

PLEASE NOTE: The transmission curves in this catalog should be understood as typical curves for reference only. Data listed without tolerances are to be understood as reference values.

IR BANDPASS | 1283



OPTICAL PROPERTIES

Wavelength (nm)	770	830 ± 9	900
Transmission (%)	< 1.0	> 45	> 80

PHYSICAL PROPERTIES

Nominal Thickness Range 3.0 mm

Refractive Index 1.56

Density 2.95 g/cc

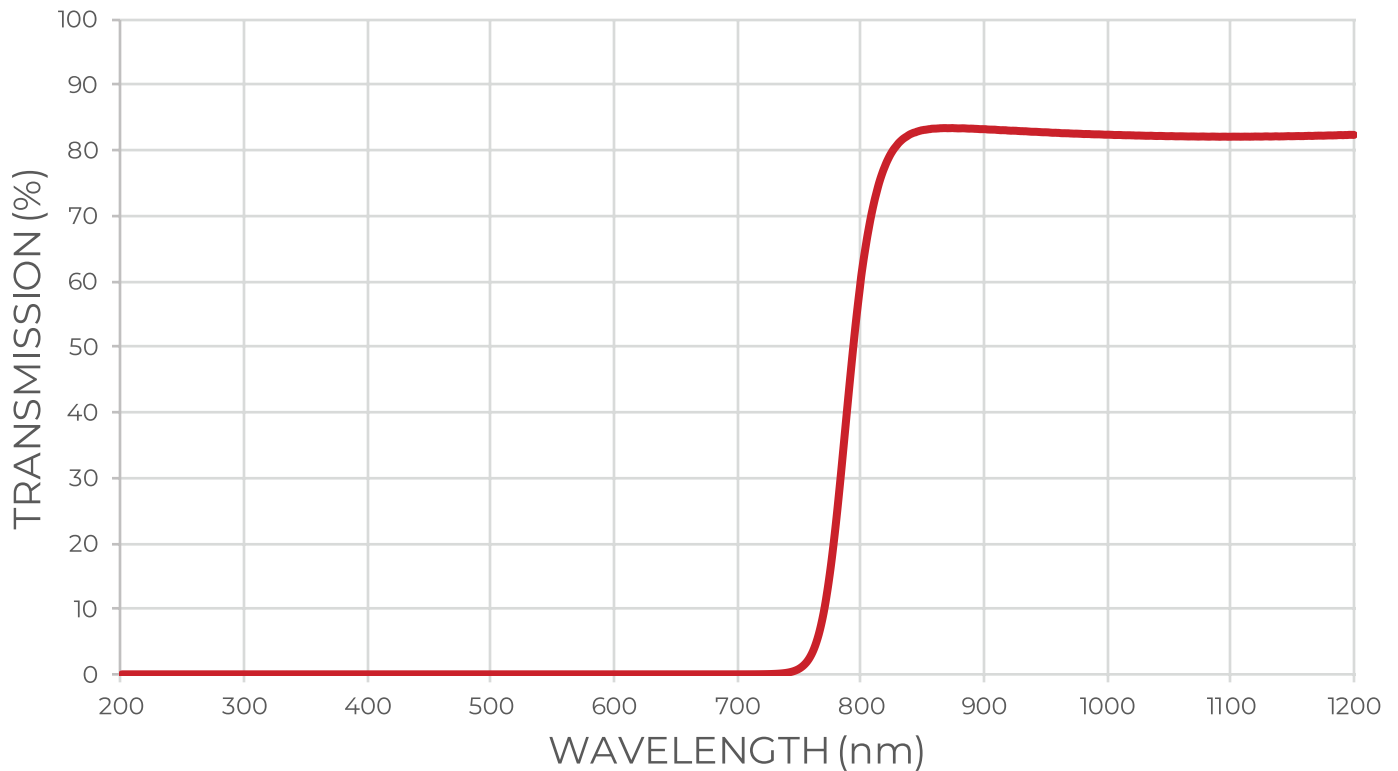
Thermal Expansion $94 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)

Strain Temperature 458 °C

Annealing Temperature 511 °C

Deformation Temperature 534 °C

IR BANDPASS | 1290



OPTICAL PROPERTIES

Wavelength (nm)	740	830 ± 9	900
Transmission (%)	< 1.0	> 45	> 80

PHYSICAL PROPERTIES

Nominal Thickness Range 4.5-5.8 mm

Refractive Index 1.53

Density 2.67 g/cc

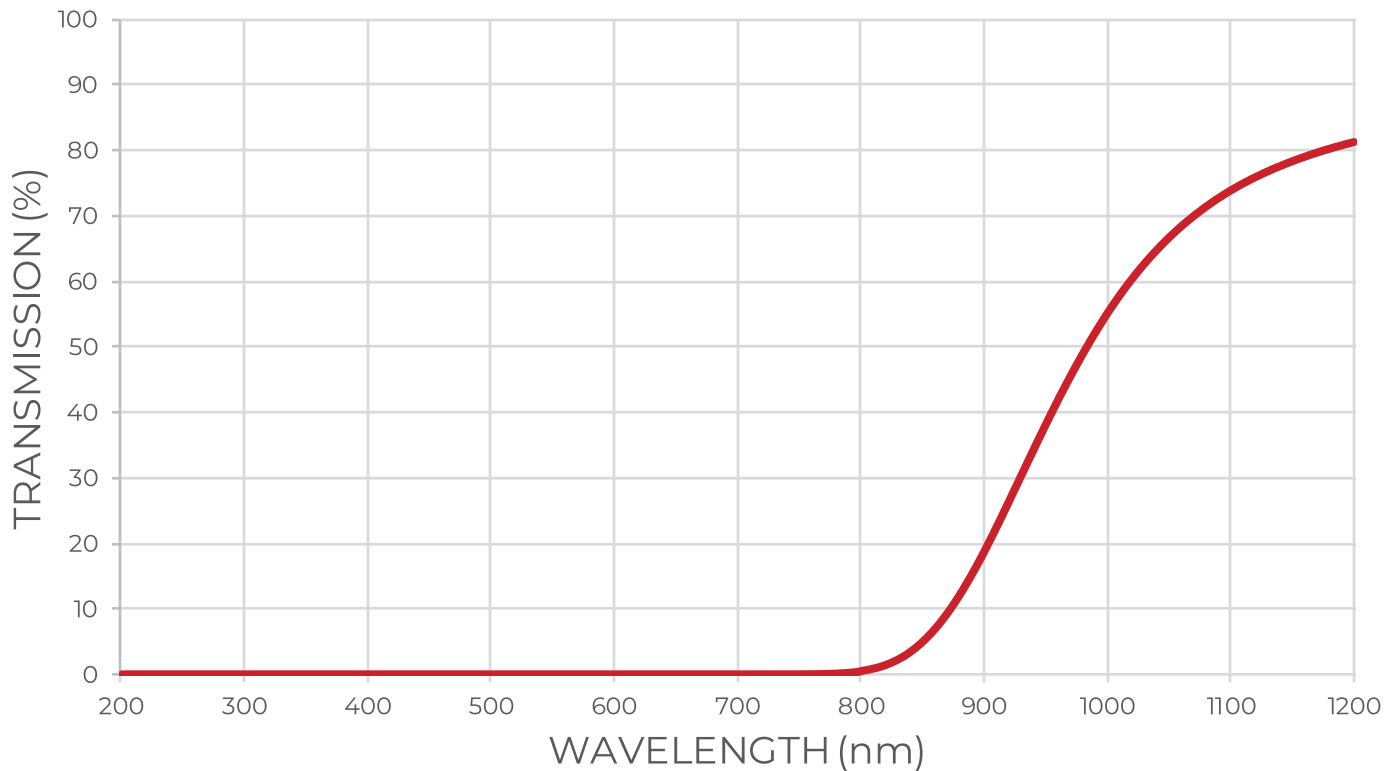
Thermal Expansion $110 \text{ E}^{-7}\text{C}^{-1}$ (30-300 °C)

Strain Temperature 492 °C

Annealing Temperature 526 °C

Deformation Temperature 563 °C

IR BANDPASS | 2540



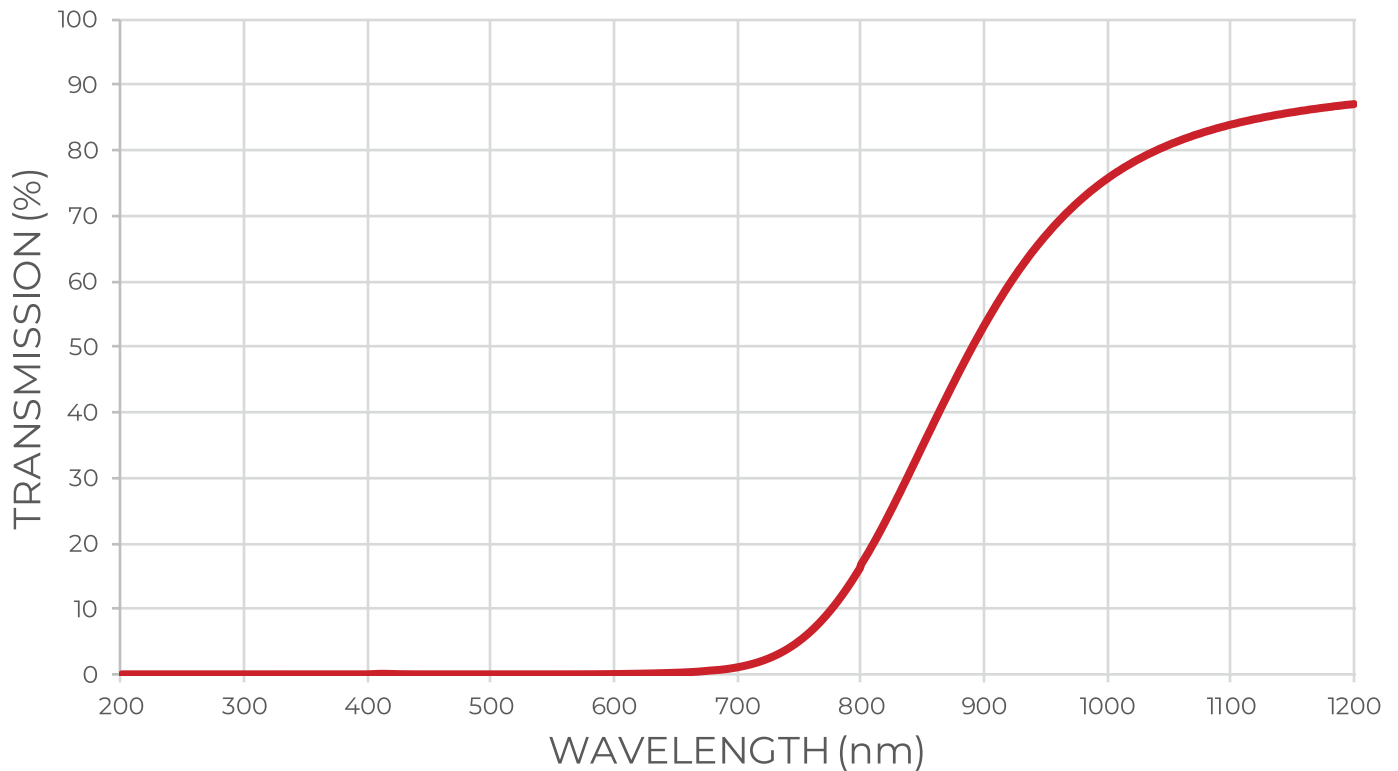
OPTICAL PROPERTIES

Wavelength (nm)	750	900
Transmission (%)	< 0.025	20 ± 1.4

PHYSICAL PROPERTIES

Nominal Thickness Range	1.9-3.1 mm
Refractive Index	1.57
Density	2.49 g/cc
Thermal Expansion	92 E ⁻⁷ C ⁻¹ (30-300 °C)
Strain Temperature	473 °C
Annealing Temperature	512 °C
Deformation Temperature	690 °C

IR BANDPASS | 2550



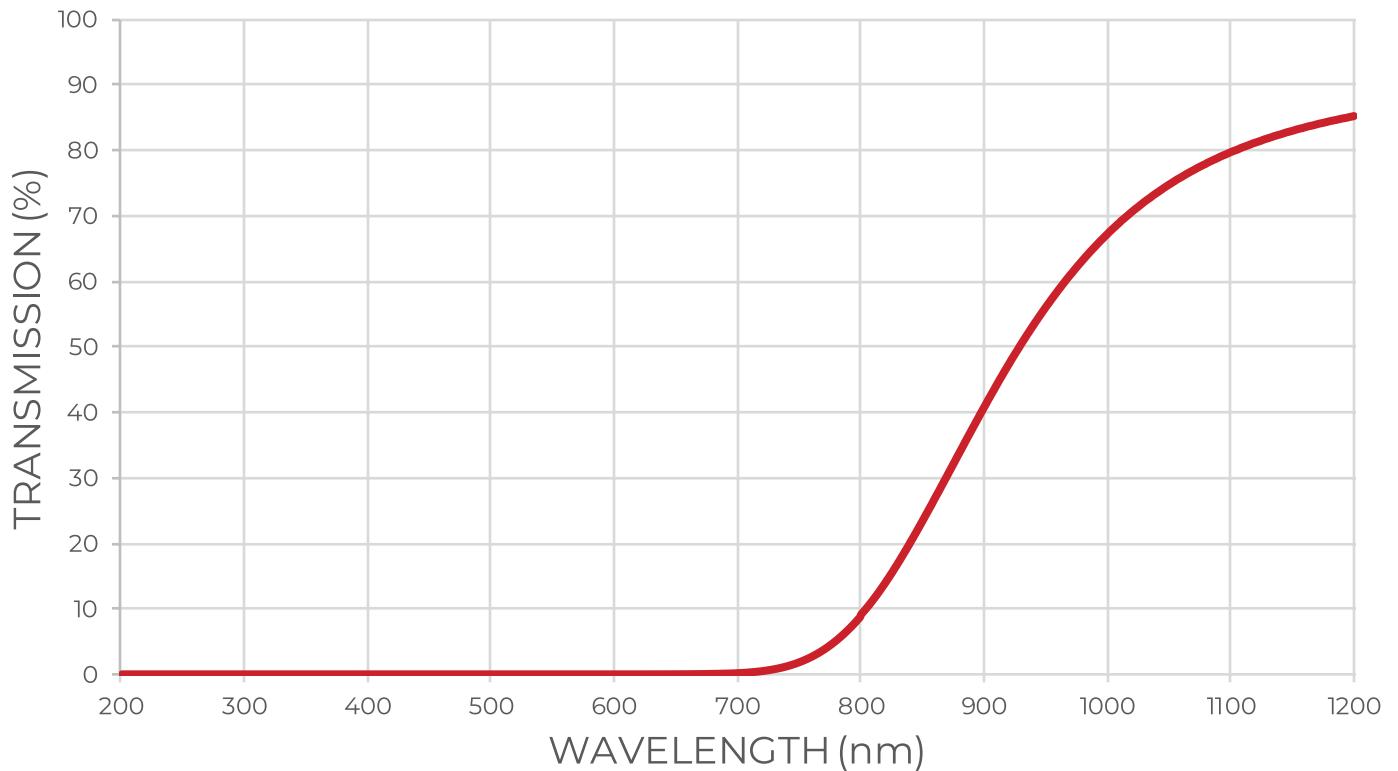
OPTICAL PROPERTIES

Wavelength (nm)	750	1000
Transmission (%)	7.0 ± 1.2	> 73.2

PHYSICAL PROPERTIES

Nominal Thickness Range	1.5-2.5 mm
Refractive Index	1.52
Density	2.53 g/cc
Thermal Expansion	92 E ⁻⁷ C ⁻¹ (30-300 °C)
Strain Temperature	461 °C
Annealing Temperature	502 °C
Deformation Temperature	670 °C

IR BANDPASS | 2563



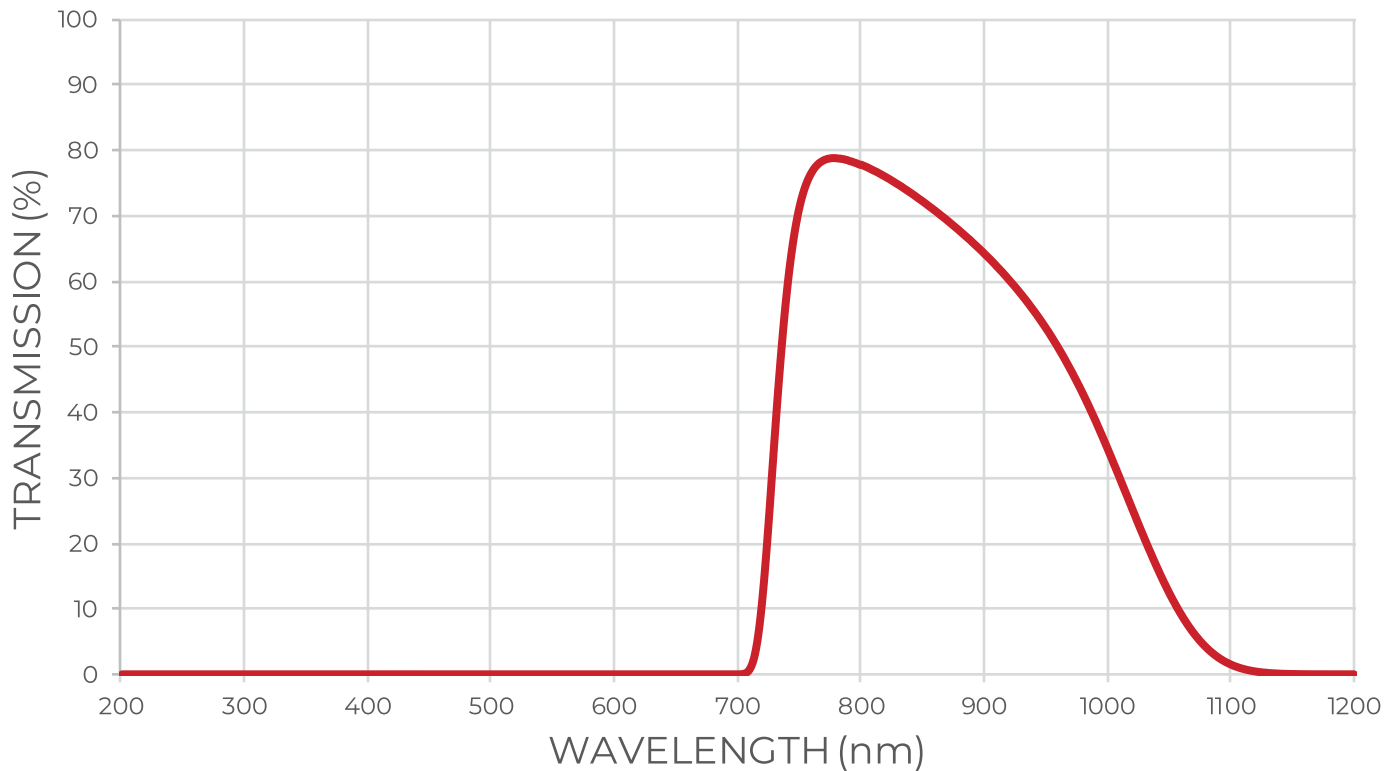
OPTICAL PROPERTIES

Wavelength (nm)	900
Transmission (%)	> 40

PHYSICAL PROPERTIES

Nominal Thickness Range	1.5-2.5 mm
Refractive Index	1.53
Density	2.67 g/cc
Thermal Expansion	61 E-7C ⁻¹ (30-300 °C)
Strain Temperature	510 °C
Annealing Temperature	548 °C
Deformation Temperature	731 °C

IR BANDPASS | C260



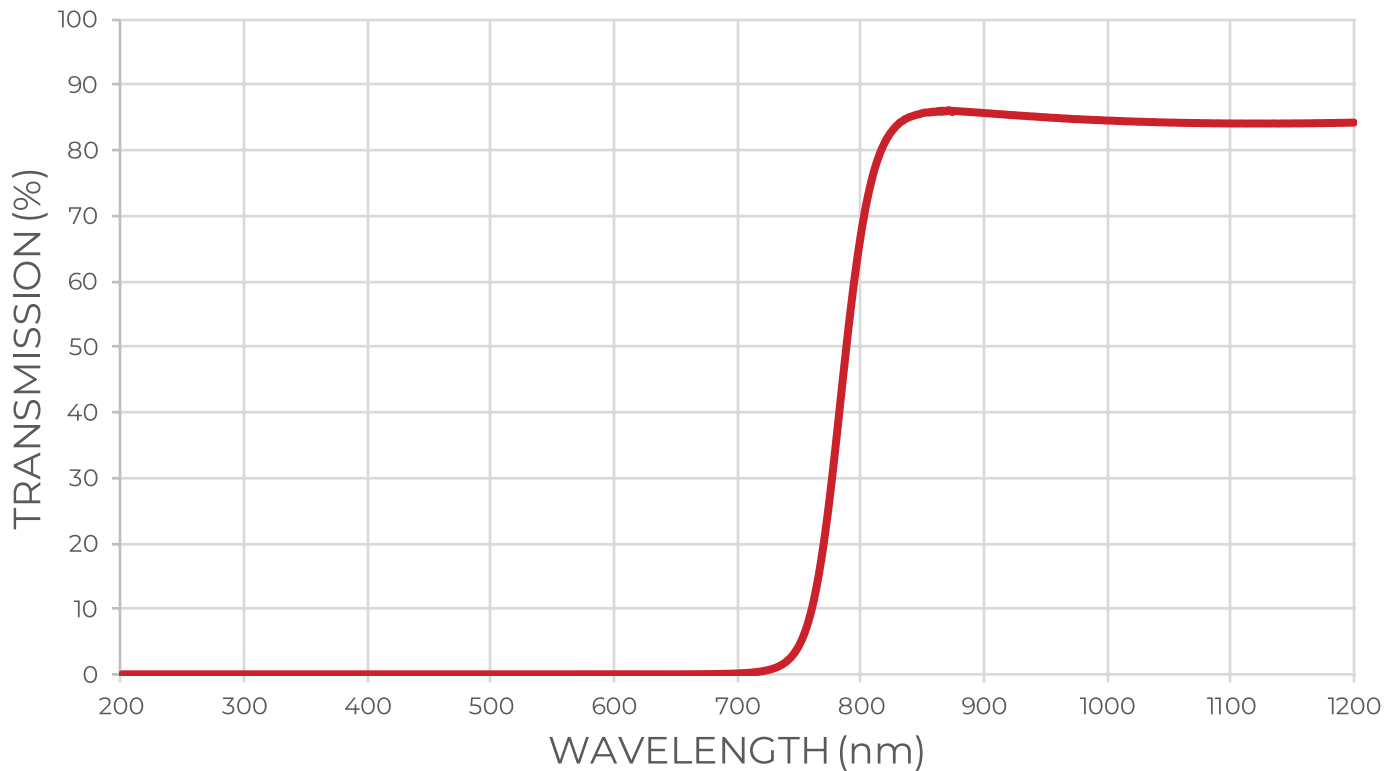
OPTICAL PROPERTIES

Wavelength (nm)	800	1000
Transmission (%)	> 72	28 - 40

PHYSICAL PROPERTIES

Nominal Thickness Range	2.9-3.1 mm
Refractive Index	1.54
Density	2.81 g/cc
Thermal Expansion	$106 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	431 °C
Annealing Temperature	473 °C
Deformation Temperature	650 °C

IR BANDPASS | K780



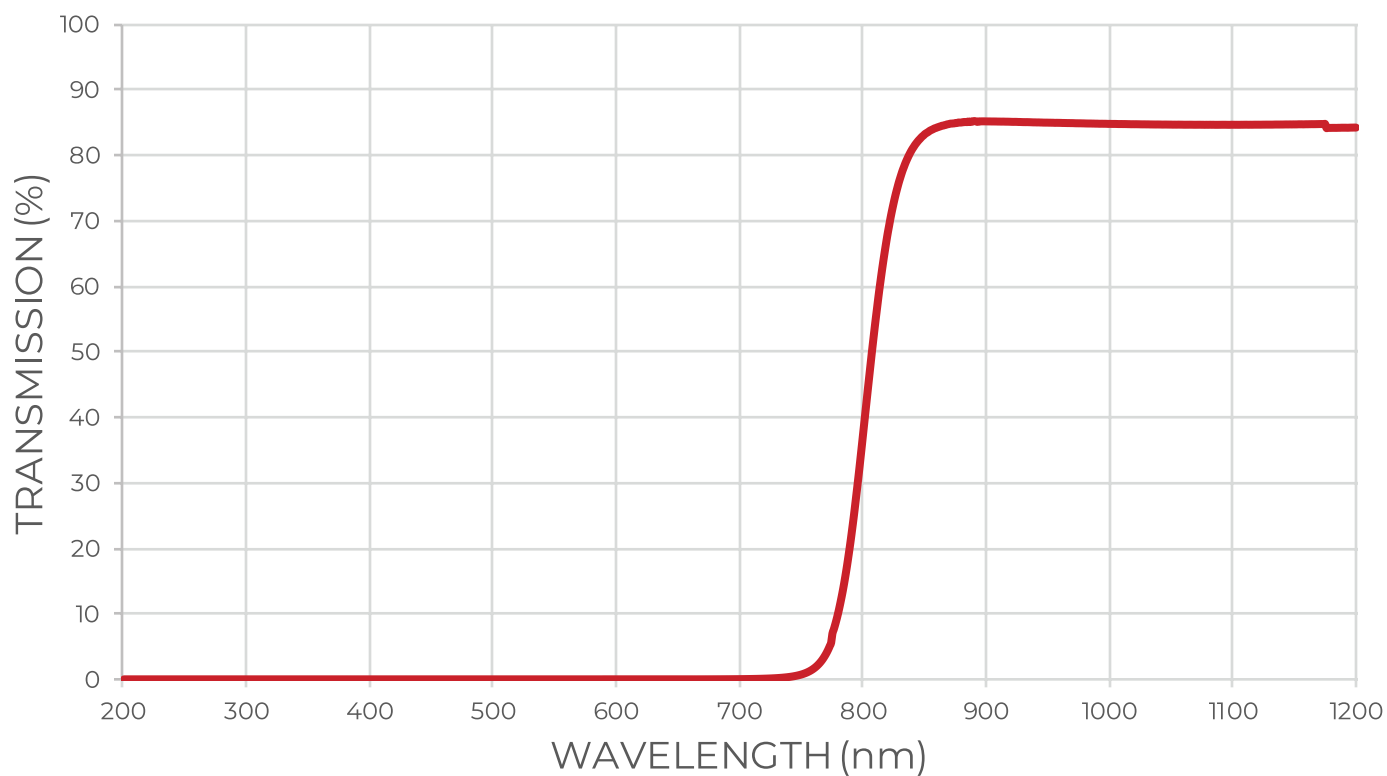
OPTICAL PROPERTIES

Wavelength (nm)	610	780 ± 9	900
Transmission (%)	< 0.5	50	> 80

PHYSICAL PROPERTIES

Nominal Thickness Range	3.0 mm
Refractive Index	1.53
Density	2.67 g/cc
Linear Thermal Expansion	110 E-7C ⁻¹ (30-300 °C)
Strain Temperature	492 °C
Annealing Temperature	526 °C
Deformation Temperature	534 °C

IR BANDPASS | K800



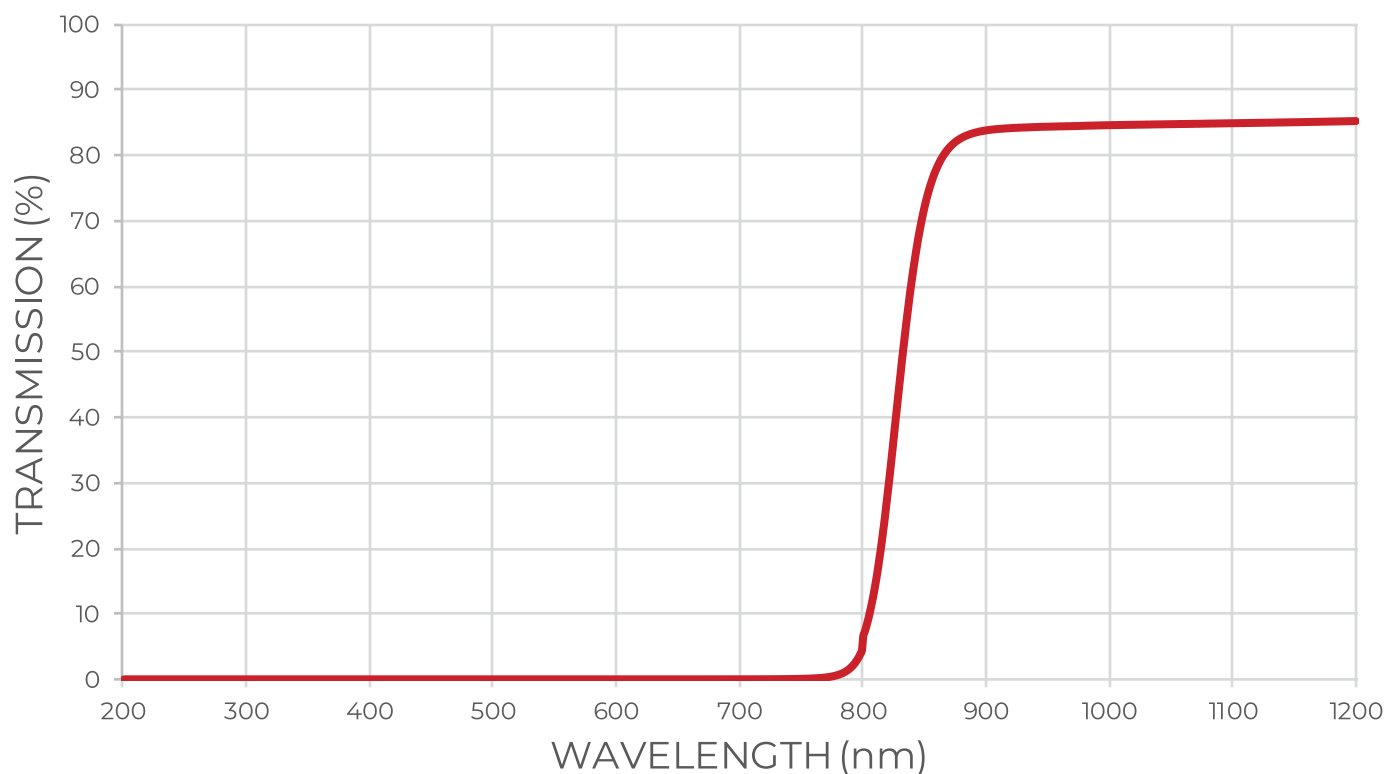
OPTICAL PROPERTIES

Wavelength (nm)	630	800 ± 9	920
Transmission (%)	< 0.6	50	> 80

PHYSICAL PROPERTIES

Nominal Thickness Range	3.0 mm
Refractive Index	1.53
Density	2.67 g/cc
Thermal Expansion	110 E-7C ⁻¹ (30-300 °C)
Strain Temperature	492 °C
Annealing Temperature	526 °C
Deformation Temperature	534 °C

IR BANDPASS | K830



OPTICAL PROPERTIES

Wavelength (nm)	670	830 ± 9	950
Transmission (%)	< 0.7	50	> 80

PHYSICAL PROPERTIES

Nominal Thickness Range 3.0 mm

Refractive Index 1.53

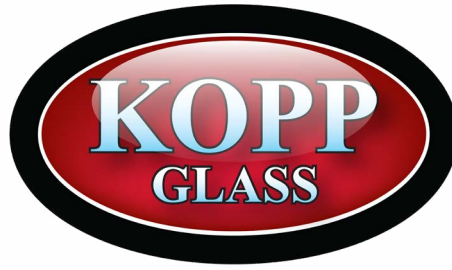
Density 2.67 g/cc

Thermal Expansion $110 \text{ E}^{-7}\text{C}^{-1}$ (30-300 °C)

Strain Temperature 492 °C

Annealing Temperature 526 °C

Deformation Temperature 563 °C



HIGH-PERFORMANCE CUSTOM GLASS

for mission-critical applications

MATERIAL SCIENCE EXPERTISE

Founded over 90 years ago, Kopp Glass began with a deep understanding of glass chemistry and how it can be used to innovate. Today, our portfolio includes more than 200 different glasses. Depending on your need, our engineers and scientists are also able to create new compositions to meet tough design challenges.

APPLICATIONS ENGINEERING EXPERTISE

We refine product designs alongside customers to help them reduce costs and increase yields. While our solutions are crafted to perform in some of the harshest environments on Earth, they're also designed to help the performance of our customers' bottom lines.

RESPONSIVENESS

Kopp Glass is a small manufacturer, but the design and production challenges we face every working day are huge. Our customers see the difference in how we respond to them and in how our team responds to each other.

ON-TIME IN-SPEC DELIVERY

Kopp Glass works to ensure the mission-critical, molded glass components we ship meet your standards—the first time.

WORK WITH US

www.koppglass.com



Year Founded 1926

Ownership Closely Held

Location Pittsburgh, PA USA

No. of Employees 110

Mfg. Sq. Ft. 127,000

Quality System ISO: 9001:2015