

# Near IR Transmitting Filters

## Overview:

API's Near Infrared (IR) filters are an excellent choice for your sensor applications. Made from acrylic, our filters are specifically produced to improve signal to noise ratio in near IR applications. We offer three wavelength cutoffs to best meet our customer's requirements: 570nm, 620nm and 760nm.

We can manufacture the near infrared (IR) filters to custom sizes and thickness, depending on your requirements. We can also provide a clear hard coating on the filters for scratch and chemical resistance.

Near Infrared (IR) filters are used in the following applications: proximity sensors, scanners, motion sensors and remote controls.



## Data:

Product	Near IR Red #590
Base Material	Acrylic
Color	Rose
Thickness	.020", .030", .060", .080", .125"
Transmitting Range	570-1100nm
IR Transmission (760-1100nm)	92%
Visible Transmission (400-760nm)	43%

Product	Near IR Red #23
Base Material	Acrylic
Color	Dark Red
Thickness	.020", .030", .060", .080", .125"
Transmitting Range	620-1100nm
IR Transmission (760-1100nm)	92%
Visible Transmission (400-760nm)	33%

Product	Near IR Black #2711
Base Material	Acrylic
Color	Black
Thickness	.060" (other thicknesses upon request)
Transmitting Range	760-1100nm
IR Transmission (760-1100nm)	83%
Visible Transmission	0%

Infrared Transmitting Acrylic

