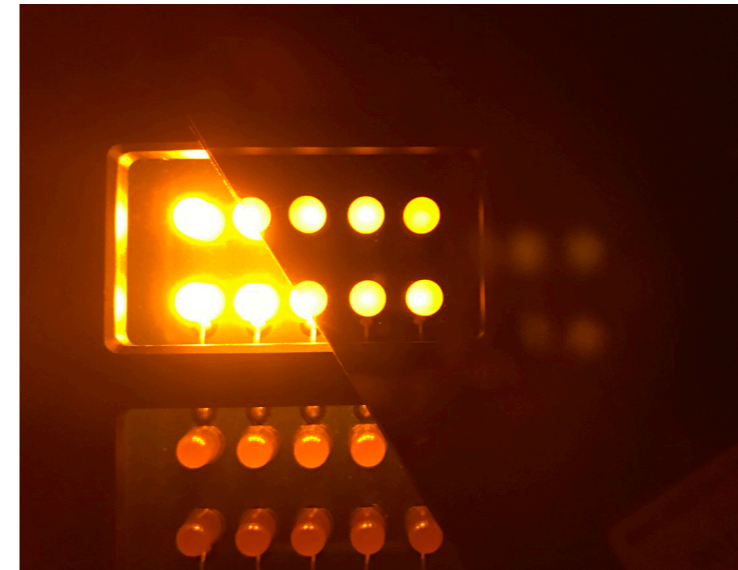


Solaris™ IR

High performance near-infrared filter for machine vision applications



Technical Specifications



Solaris™ IR S306 is a highly transparent, near-infrared filter (NIR), which by design blocks the entire visible spectrum and ultraviolet light.

Therefore, the NIR filter is specifically designed for applications utilizing near-infrared light, such as machine vision applications, iris scanners, LIDAR applications, TOF devices, and facial recognition systems.

Appearing perfectly black to the human eye, the use of Solaris™ IR S306 efficiently eliminates any possibility to identify electronics or optical components inside the device. And, for NIR sensors also capable of detecting partial VIS

light, IR S306 is very efficient as a band pass filter allowing only NIR light to reach the sensors.

As a NIR transparent plastic, acrylic is the most suitable material for the transmission of light in the near-infrared region, efficiently blocking all other wavelengths than the NIR wavelength range from 800 to approximately 2000 nm. The near-infrared filter absorbs the entire visible spectrum and ultraviolet light and delivers maximum transmittance in the NIR range.

Technical Data

Light transmittance NIR range	Up to 92%
Thickness	From 0.5 mm
Tolerances	Down to +/- 0.1 mm
Dimensions	Up to 2000 x 3000 mm