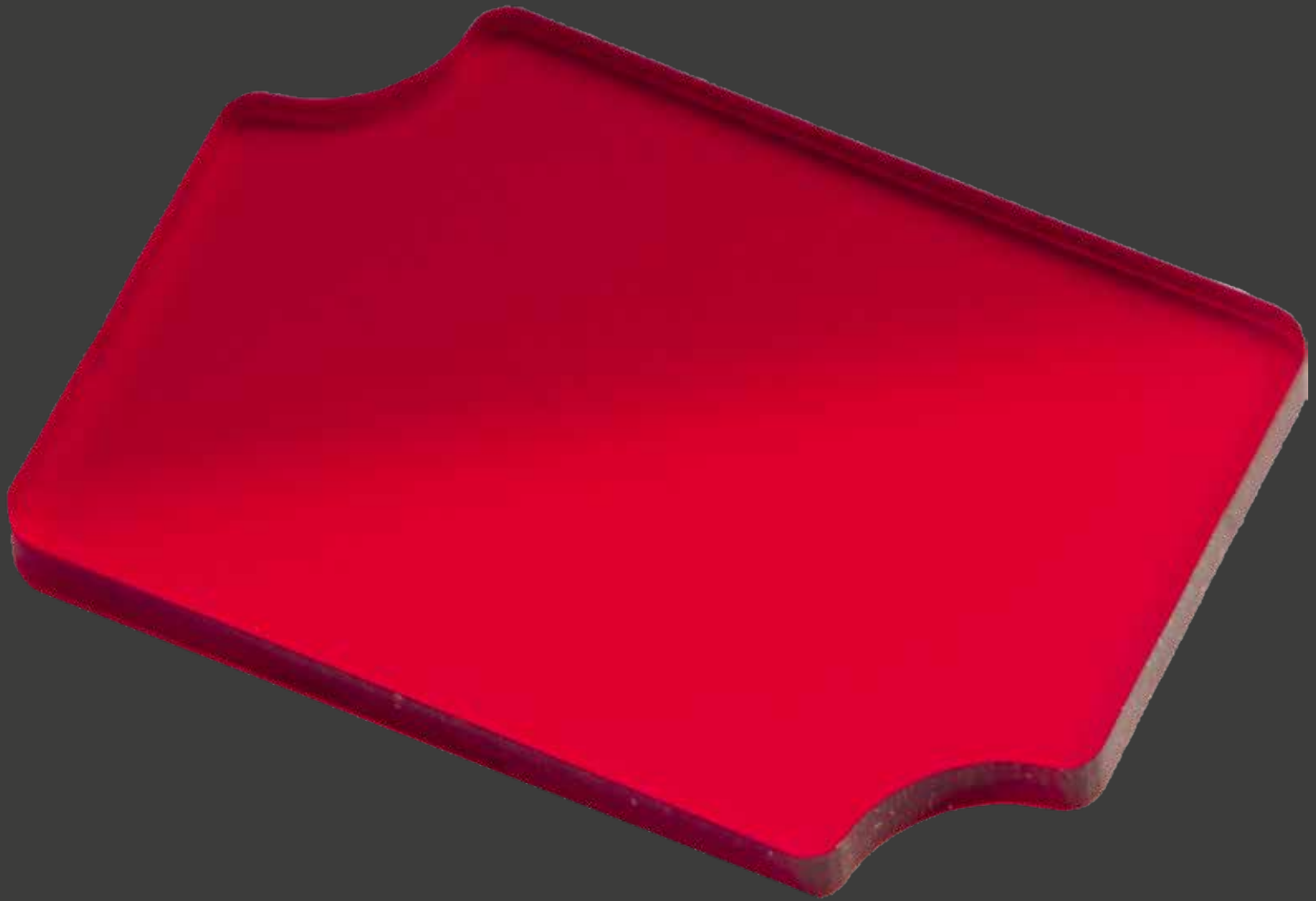


Optimised AR: Red AR

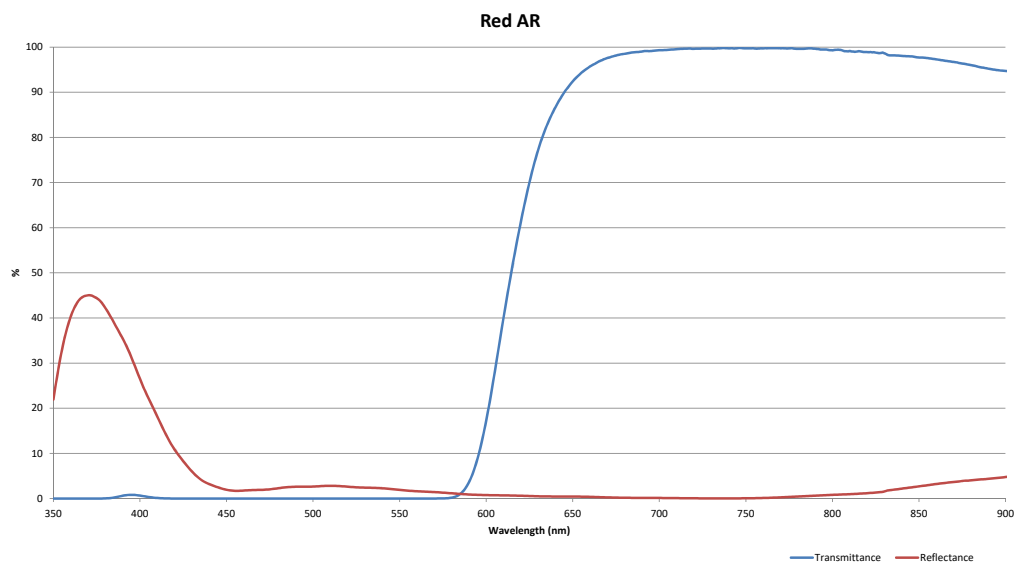
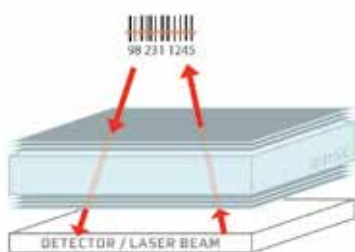
High performance anti-reflective (AR)  
coating optimized for the red range



PSE

OPTICAL SOLUTIONS REFINED

# Product Features



## Red AR

PSC offers Red AR, an anti reflective coating especially designed for barcode readers and the like operating at or around 670nm. An Optimised AR Coating is applied to one of our red colour filter materials (i.e. Solaris S706). This means that the filter's transmission is improved to almost 100 % in the red range, eliminating almost all signal degradations caused by surface reflections.

The Red AR solution is sheet to part which enables full design freedom.

## Optimized AR

The spectral properties of anti reflective coatings for display applications are optimized for the wavelengths visible to the human eye. However, most machine vision applications only benefit

from specific wavelengths within the VIS range (red), or longer wavelengths than those of visible light (NIR).

For these applications PSC has developed a range of unique and very effective AR surface treatments called Optimized AR Coatings. The Optimized AR is applied to our acrylic sheet material.

The Optimized AR Coatings are designed to obtain maximum AR performance in the exact application-specific wavelength range. It reduces reflections to an absolute minimum and increases undisturbed transmission in the desired range.

This is highly relevant in certain camera, scanner, and sensor applications.

## Technical Data

Red transmission, typical	Up to 99%
Reflection*	<1 %, single sided
Base materials	Solaris™ Acrylic Cleartech™
Thicknesses	Upon request. MOQ applies

\* Guaranteed: 660 nm +/- 30 nm. Typical: 600 to 700 nm