

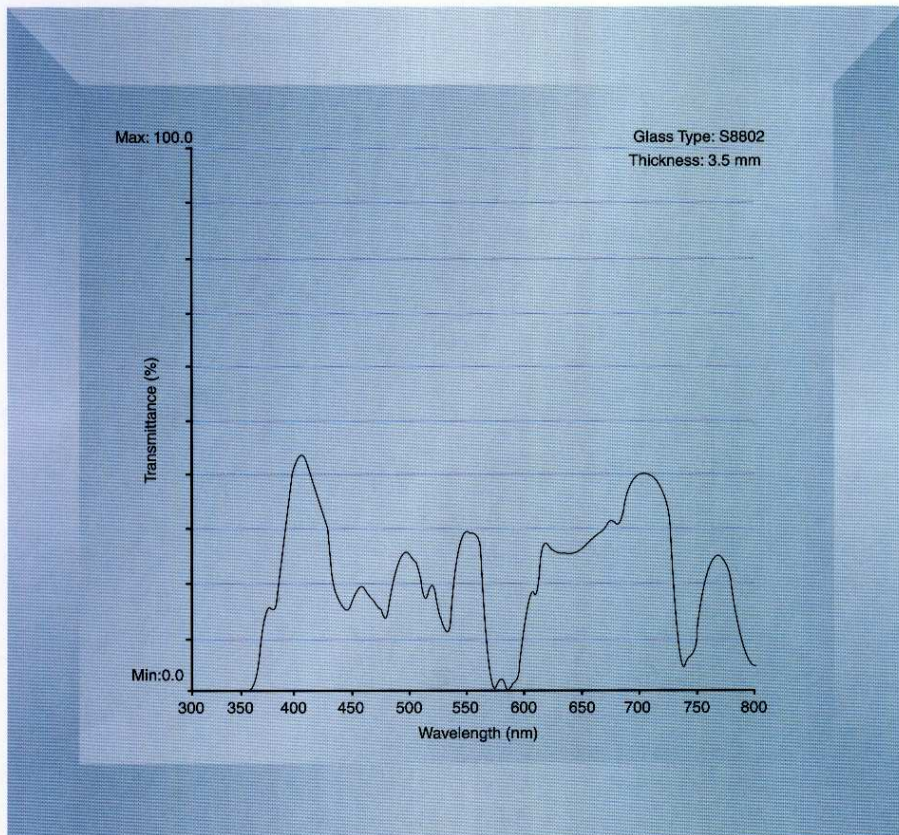
# Contrast Enhancement Filter S8802

**Name**  
S8802

**Color**  
Blue-Gray

**Most Common Use**  
Full-Color Displays  
Avionics  
Data/Information  
Industrial

S8802



**SCHOTT**  
glass made of ideas

# Contrast Enhancement Filter S8802

## Color and Transmittance Data

Common Application	full-color
x = <sup>1)</sup>	0.2913
y = <sup>1)</sup>	0.3051
Y = <sup>1)</sup>	17.0
Transmission (%)	T@445nm=15.0 ± 2.5% 555nm=30.5 ± 3.5% 630nm=27.5 ± 3.5%
Half bandwidth (nm)	–
Transmission at Peak (%)	–
Reference Thickness (mm)	3.5
Color	gray-blue

## Optical and Physical Properties

Refractive Index (n <sub>D</sub> ) <sup>2)</sup>	1.533
Reflection Factor (P <sub>D</sub> ) <sup>3)</sup>	0.92
Density (g/cm <sup>3</sup> )	2.70
Transformation Temperature Tg(°C)	510
Working Point (C°)	1030
Softening Point (C°)	725
Annealing Point (C°)	532
Strain Point (C°)	500
Thermal Coefficient of Expansion $\alpha_{20-300^{\circ}\text{C}}$ (10 <sup>-7</sup> /°C)	108

<sup>1)</sup> Illuminant C

<sup>2)</sup> Sodium @ 589.3nm

<sup>3)</sup>  $P = \frac{2n}{n^2+1}$