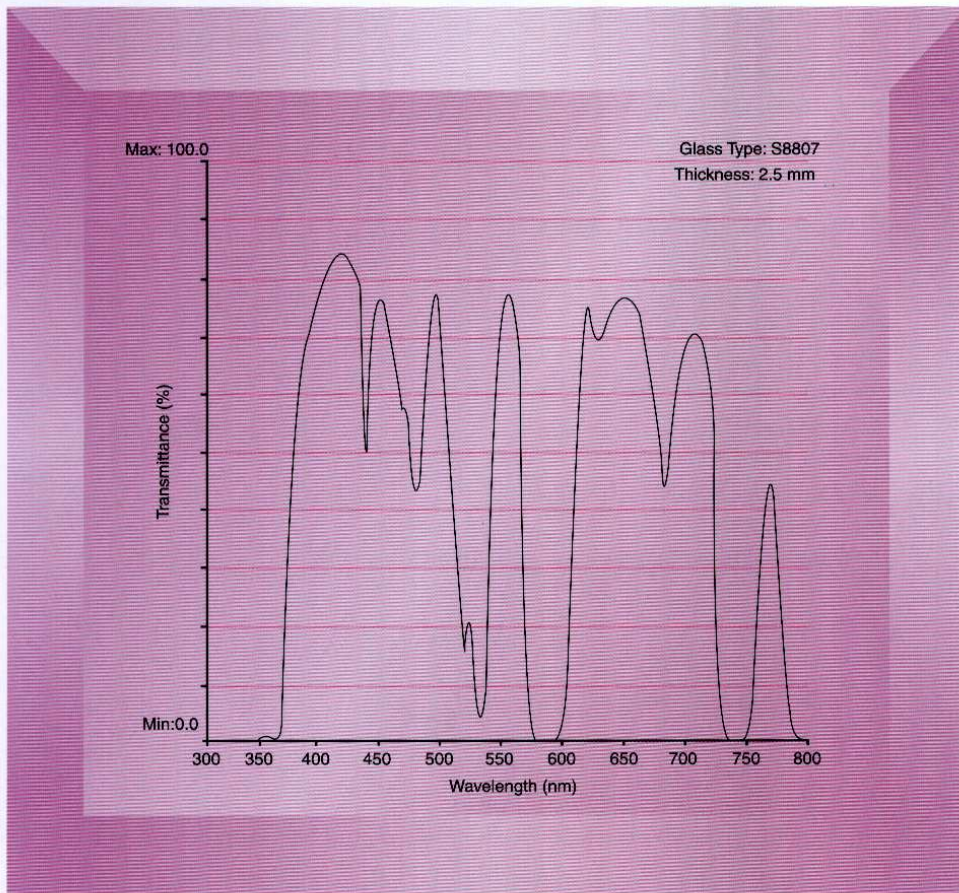


Contrast Enhancement Filter S8807

S8807

Name	Color	Most Common Use
S8807	Violet	Full-Color Displays Automotive Avionics Commercial Data/Information Industrial



SCHOTT
glass made of ideas

Contrast Enhancement Filter S8807

Color and Transmittance Data

Common Application	full-color
x = ¹⁾	0.2730
y = ¹⁾	0.2444
Y = ¹⁾	37.5
Transmission (%)	T@445nm=77.5 ± 1.5% 544nm=71.0 ± 1.5% 618nm=77.0 ± 1.5%
Half bandwidth (nm)	–
Transmission at Peak (%)	–
Reference Thickness (mm)	2.5
Color	violet

Optical and Physical Properties

Refractive Index (n _e) ²⁾	1.563
Reflection Factor (P _e) ³⁾	0.91
Density (g/cm ³)	2.91
Transformation Temperature Tg(°C)	570
Working Point (C°)	934
Softening Point (C°)	712
Annealing Point (C°)	576
Strain Point (C°)	555
Thermal Coefficient of Expansion _{20-300°C} (10 ⁻⁷ /°C)	89

¹⁾ Illuminant C

²⁾ Mercury @ 546.1nm

³⁾ $P = \frac{-2n}{n^2+1}$