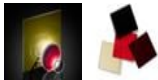


# SCHOTT RG830, 12.5mm Dia., 1mm Thick, Colored Glass Longpass Filter

See More by [SCHOTT Optical Components](#)



Stock #16-427 3-5 DAYS

- 1 +

S\$46.40

ADD TO CART

|                               |
|-------------------------------|
| Qty 1-10                      |
| S\$46.40                      |
| Qty 11+                       |
| S\$40.60                      |
| Volume Pricing                |
| <a href="#">Request Quote</a> |

## Get Product Downloads

Diameter (mm):  
12.50

Cut-On Wavelength (nm):  
830.00 ±9

Density (g/cm³):

|                                                                 |
|-----------------------------------------------------------------|
| 2.94                                                            |
| <b>Glass/Filter Number:</b><br><a href="#">SCHOTT RG830</a>     |
| <b>Coating:</b><br>Uncoated                                     |
| <b>Color:</b><br>Black                                          |
| <b>Passband Limit 1 <math>\lambda_{p1}</math> (nm):</b><br>950  |
| <b>Passband Limit 2 <math>\lambda_{p2}</math> (nm):</b><br>1100 |
| <b>Index of Refraction <math>n_d</math>:</b><br>1.56            |
| <b>Spectral Transmittance <math>t_p</math> (%):</b><br>97       |
| <b>Stopband Limit <math>\lambda_s</math>(nm):</b><br>670        |
| <b>Surface Quality:</b><br>60-40                                |
| <b>Transformation Temperature (°C):</b><br>554                  |
| <b>Thickness (mm):</b><br>1.00 ±0.1                             |
| <b>Type:</b><br>Longpass Filter                                 |
| <b>Wavelength:</b><br>IR                                        |
| <b>Dimensional Tolerance (mm):</b><br>±0.2                      |
| <b>Reflection Factor <math>P_d</math>:</b><br>0.91              |
| <b>Bevel:</b><br>Protective as needed                           |

### Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
|------------------------------------------------------------|