

1" x 1" Red Optical Cast Plastic Filter



Stock #43-945 **20+ In Stock**

€20⁵⁰

ADD TO CART

Volume Pricing	
Qty 1-49	€20,50 each
Qty 50-99	€19,50 each
Qty 100-249	€17,25 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Color Filter **Type:**

Physical & Mechanical Properties

25.4 x 25.4 **Dimensions (mm):**

25.40 **Length (mm):**

1 x1	Dimensions (inches):
1.50	Thickness (mm):
25.40	Width (mm):
±0.3	Dimensional Tolerance (mm):

Optical Properties

Thermoset ADC (CR-39®)	Substrate: <input type="checkbox"/>
Uncoated	Coating:
Red	Color:
1.501	Index of Refraction (n_d):
>20	Transmission (%):
57.00	Abbe Number (v_d):

Material Properties

1.320 at 25°	Density (g/cm³):
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Environmental & Durability Factors

100 Continuous, 130 for 1 Hour	Operating Temperature (°C):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 242:

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Resistant to All Types of Chemicals and Solvents (Acetone, Acids, Alkali and Alcohols)
- Excellent Thermal Resistance
- Easily Drilled with High Speed Carbide Bits for Mounting

Optical Cast Plastic Color Filters have excellent thermal resistance. Traditionally, the limitations of plastic materials have made them unsuitable for demanding optical applications. However, advancement in plastic technology has produced filters with properties that can satisfy a variety of optical and environmental needs—and at half the weight of glass. Optical Cast Plastic Color Filters are ideal for use as environmental displays and filters. These filters, with their Thermoset ADC substrate, are also available in custom sizes, shapes, colors, and styles for qualified high volume OEM applications.

Technical Information



Compatible Mounts
