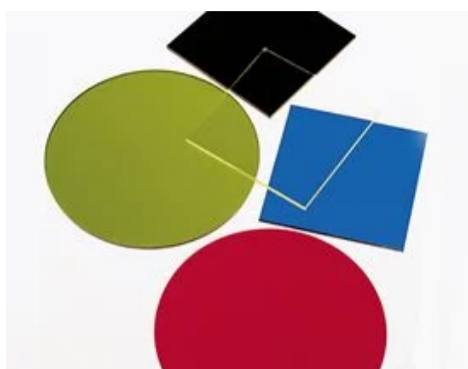


1" Dia. Red Optical Cast Plastic Filter



Stock #43-942 10 In Stock

1 MRP ₹2,069

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-49	₹2,069 each
Qty 50-99	₹1,967 each
Qty 100-249	₹1,741 each
Need More?	Request Quote

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Color Filter

Physical & Mechanical Properties

Diameter (mm): 25.40

Diameter (inches): 1.00

Thickness (mm): 1.50

Dimensional Tolerance (mm): ±0.3

Optical Properties

Substrate: Thermoset ADC (CR-39®)

Coating: Uncoated

Color: Red

Index of Refraction (n_d): 1.501

Transmission (%): >20

Abbe Number (v_d): 57.00

Material Properties

Density (g/cm³): 1.320 at 25°

Environmental & Durability Factors

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

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Reach 242: **Compliant**

Country of Origin: United States

Imported By: Edmund Optics
India Private
Limited
267, Greystone
Building,
Second Floor,
6th Cross Rd,
Binnamangala,
Stage 1,
Indiranagar,
Bengaluru,
Karnataka,
India 560038
Phone: +91-
80-6845 0000

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](#).

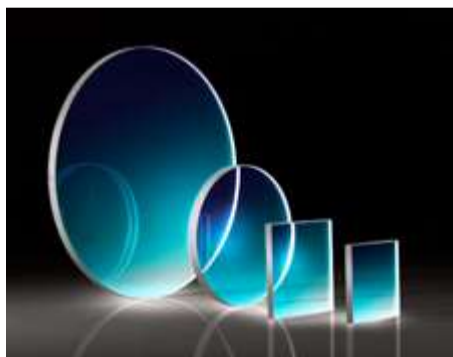
Product Details

- 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

Frequently Purchased Together



#02-105 - 12.5mm Diameter Float Glass Window
₹1,514

Qty



#33-394 - 25mm Dia. x 200mm FL Uncoated, Double-Convex Lens
₹3,607

Qty



#33-906 - 585nm CWL, 12.5mm Dia, 36nm Bandwidth, OD 6 Fluorescence Filter
₹28,653

Qty






































#35-125 - Everix Ultra-Thin OD 2 Longpass Filter, 600nm, 12.5mm Square
₹7,217

Qty



Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	₹2,119 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	₹2,119 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.4mm Optic Dia., 10mm Max Optic Thickness, Optic Mount	Fixed		#64-561	₹3,305 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.4mm Optic Dia., 13mm Max Optic Thickness, Optic Mount	Fixed		#64-562	₹3,305 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	₹6,861 Request Quote	9 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	₹7,164 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	₹10,190 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	₹10,291 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	₹10,694 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+ 	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	₹10,896 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	₹11,703 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+ 	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	₹12,107 Request Quote	10 In Stock <input type="text" value="1"/> 
MORE+ 	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	₹15,840 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	₹27,846 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#54-999	₹46,511 Request Quote	4 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	₹54,481 Request Quote	6 In Stock <input type="text" value="1"/> 
	25.0/25.4mm Optic Dia., 5 Axes	Adjustable - Linear (XYZ) &		#13-776	₹76,173 Request	2 In Stock <input type="text" value="1"/> 

	Title	Type	Compare	Stock Number	Price	Buy
 MORE+	Optical Mount	Tip-Tilt			Quote	

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Trending in Optics

APPLICATION NOTE

The Importance of Optical Filter Orientation....

APPLICATION NOTE

Custom Bandpass Filter using Shortpass an...

VIDEO

Optical Filters Review

VIDEO

Optical Filter Coatings: Comparison of Traditional a...

PUBLISHED ARTICLE

Selecting Color Filter Glass for Life Science Applications

FAQ

What type of material should I look for in a filter?

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