

Optical Filter Set

These filters are designed to selectively transmit or absorb different wavelengths of light. They are widely used in scientific experiments and industrial applications where specific light manipulation is required.



Overview

Precision Optical Filters

Our optical filter sets are engineered for precise light wavelength manipulation, making them essential components for scientific research and industrial instrumentation. These filters are available in various configurations, including bandpass, neutral density, and long/short wave pass options to suit diverse experimental needs. Crafted from high-quality filter glass and BK7, they offer exceptional durability and optical performance for demanding applications.

Filter Specifications

Available Filter Types	Color Separation, Neutral Density, Short Wave Pass, Long Wave Pass, Bandpass, Interference
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Material & Dimensions

Material	Filter Glass, BK7
Dimension Range (Round)	4mm - 160mm
Dimension Range (Squares/Rectangles)	1mm - 165mm
Thickness Range	0.5mm - 4mm

Optical Quality

Thickness Tolerance	+/- 0.01mm - 0.1mm
Parallelism	Up to 3 Arc minutes
Flatness	Up to $\lambda/10$
Surface Quality (Scratch/Dig)	80/50 - 20/10
Edge Finish	Fine Ground