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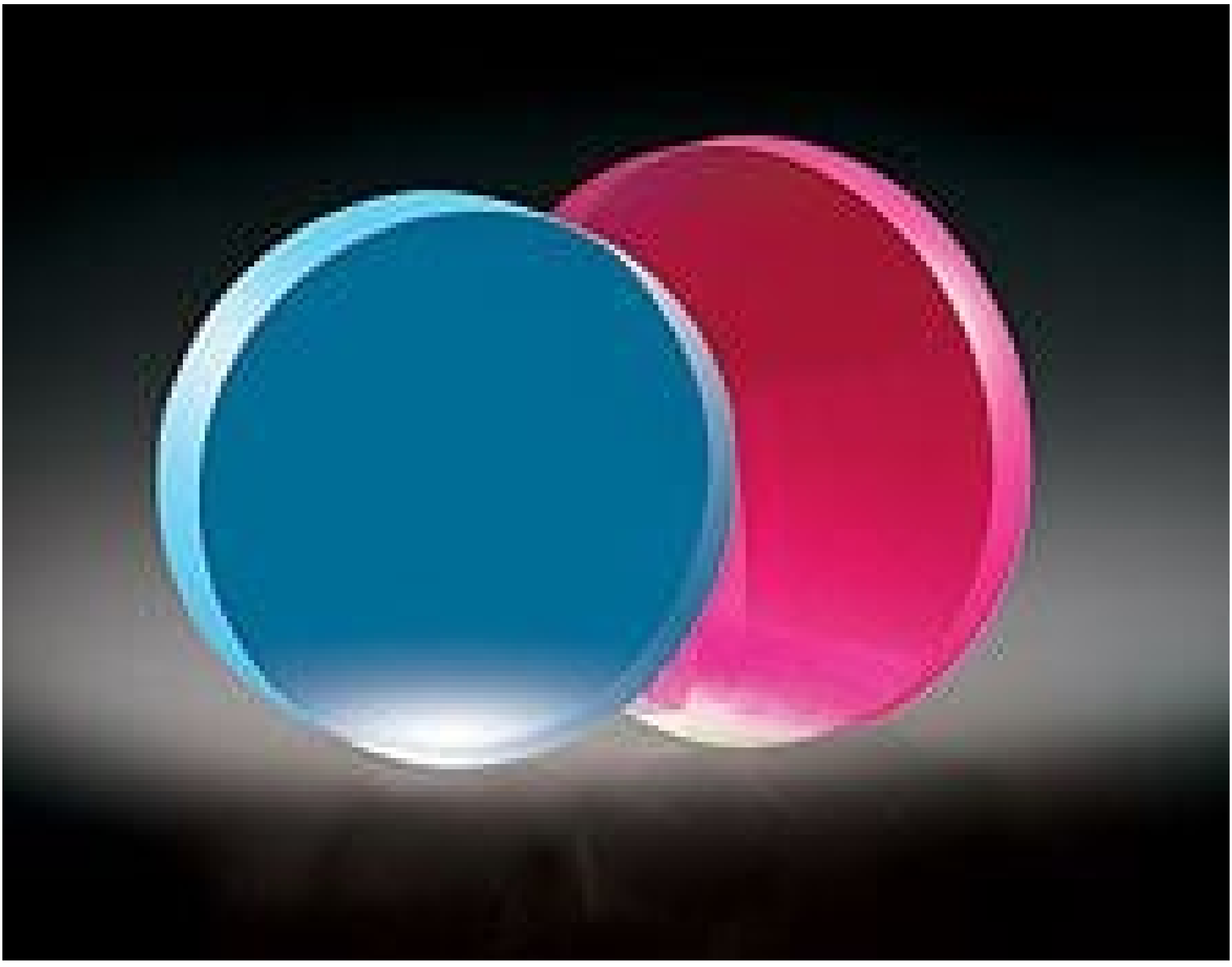
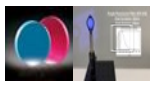
Purple Fluorescent Filter (ICF-070), 12.5mm Diameter





Stock **#21-167** CLEARANCE **1 In Stock**

- 1 + **C$284.20**

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Volume Pricing	
Qty 1-9	**C$284.20** each
Qty 10-25	**C$250.60** each
Qty 26-49	**C$236.60** each
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General

Type:

Color Filter

Physical & Mechanical Properties

Diameter (mm):

12.50 ±0.25

Thickness (mm):
3.00 ±0.10

Optical Properties

Glass/Filter Number:
Isuzu ICF-070

Substrate:
Fluorescent Glass

Coating:
Uncoated

Color:
Purple

Index of Refraction (n_d):
1.539

Peak Emission Wavelength (nm):
435

Excitation Wavelength (nm):
200 - 400

Peak Excitation Wavelength (nm):
365.00

Performance

Minimum Sensitivity:
~1μW/cm^2

Material Properties

Transformation Temperature (°C):
490.4

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
8.98

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

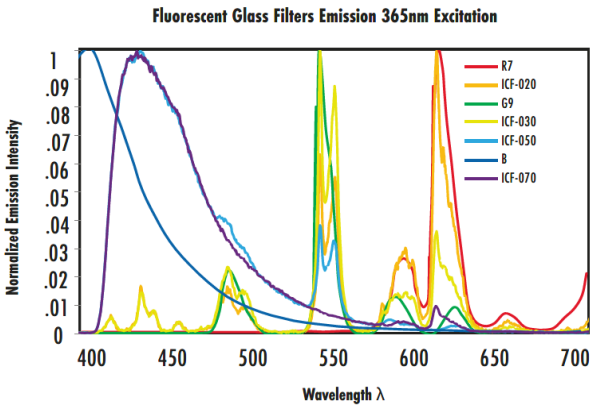
Product Details

- Excite with UV Illumination
- Wide Range of Fluorescence Colors
- High Sensitivity and Durability

Fluorescent Glass Filters absorb UV energy (peak absorption at 365nm) and re-emit light into the visible spectrum. Appearing colorless when not exposed to UV light, these filters are available with red, orange, yellow, green, blue, and purple emission colors. Sensitivity as low as ~1μW/cm2 allows for these filters to transform faint UV sources to detectable visible light. Fluorescent Glass Filters are ideal for use in fluorescence microscopy, excimer laser detection and characterization, and as a standard test material for fluorescence characteristics

These fluorescent glass filters are ideal for blocking excitation light while efficiently transmitting emission wavelengths in fluorescence imaging and spectroscopy. Manufactured from high-quality colored glass, they offer sharp spectral cutoffs and strong out-of-band blocking without the need for complex coating stacks. These durable glass filters are well-suited for use in research microscopes, fluorescence systems, and other light-sensitive optical setups requiring consistent and stable spectral performance.

Technical Information



Compatible Mounts

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