

Precision Optical Filters Datasheet

Felix Glass

Brand Intro & Document ID

Felix Glass specializes in custom precision optical components for machine vision, laser systems, medical optics, spectroscopy and industrial imaging. OEM & ODM manufacturing services are available worldwide. Document No. : FG-CUSL-001 | Rev. 1.0 | Issue Date:2026

Core Specification Table

Item	Specification
Substrate Materials	BK7/H-K9L, Fused Silica, Sapphire, Quartz, Optical Float Glass
Main Filter Types	Bandpass Filter, IR Cut Filter, Longpass Filter, Shortpass Filter, Neutral Density Filter, Dichroic Beam Splitter, Notch Filter
Custom Optical Parameters	CWL, FWHM, OD Block Depth, Peak Transmission, Edge Slope, Incident Angle
Size Range	1mm - 300mm square / round / rectangular custom shapes
Coating Technology	Ion-assisted vacuum deposition, hard coating, high durability anti-scratch film
Standard OD Grade	OD2 / OD4 / OD6 / OD8 / OD10 deep blocking options
Custom Options	Custom wavelength spectrum, anti-reflection double-sided coating, edge blackening, optical cement assembly

Product Category Brief

1. Bandpass Filter: Transmit single narrow wavelength for fluorescence detection, machine vision
2. IR Cut Filter: Block infrared stray light to correct color distortion for visible cameras
3. Longpass / Shortpass Filter: Separate visible, UV and infrared wavebands
4. Neutral Density Filter: Uniform light attenuation without color shift for laser & photography
5. Notch Filter: Block specific laser wavelength while transmitting surrounding spectrum

The information contained in this document is provided for reference only. Final specifications are subject to mutually approved engineering drawings, production capability review, and customer project requirements.

Hong Kong Felix Glass Co., Limited Custom Optical Components Manufacturer www.felixglass.com | sales@felixglass.com