

Optical Filters Spectral Performance Test Report

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

Test Equipment

UV-Vis-NIR full spectrum spectrometer, laser light source, OD tester, environmental cycling chamber, coating adhesion scratch tester

Full Test Items

- Physical dimension thickness & flatness tolerance
- Peak transmittance at target center wavelength
- Full width half maximum (FWHM) bandwidth accuracy
- Optical density blocking depth of stop band
- Edge steepness of longpass / shortpass cut-off
- Coating durability: thermal shock, damp heat resistance
- Uniform attenuation consistency for neutral density filters

Batch Test Summary

- Narrow bandpass filters: Steep cut-off, deep OD blocking for biomedical fluorescence detection
- IR cut filters: Perfect infrared suppression, high visible transmittance for surveillance & industrial cameras
- ND filters: Colorless uniform attenuation for laser power adjustment systems
- Dichroic filters: High separation efficiency for multi-wavelength beam splitting equipment
-

Test Conclusion

Every batch optical filter is provided with original spectral transmission curve data; full test reports can be supplied for customer project audit and third-party certification review.

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