

Custom Sapphire Optical Components Drawing Guide

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

Mandatory Drawing Parameters

1. Sapphire crystal orientation requirement (C-plane/A-plane/R-plane)
2. Overall dimension, thickness, curvature & tolerance
3. Working wavelength and AR coating specification
4. Surface precision grade and surface quality demand
5. Edge processing: chamfer, blackened edge or polishing
6. Special mechanical mounting notch, hole and assembly structure
- 7.

Compatible Drawing File Formats

• PDF • DWG • DXF • STEP • IGES

Standard Template Outlines

Flat sapphire window, spherical sapphire lens, hemispherical sapphire dome, cylindrical sapphire rod

Production Reminder

We support small prototype trial and mass custom machining; professional optical engineers provide material performance simulation for high-temperature and high-pressure application scenarios.

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.

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