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38.1mm Dia., 3mm Thick, Uncoated, ISP Optics IR Fused Silica Window | QI-W-38-3

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Stock #29-950 **16 In Stock**

⊖ 1 ⊕ £183²⁰

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General

Protective Window **Type:**

QI-W-38-3 **Model Number:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

Clear Aperture (%):

32.39 **Clear Aperture CA (mm):**

38.10 +0.00/-0.13 **Diameter (mm):**

3.00 ±0.13 **Thickness (mm):**

Fine Ground **Edges:**

522.00 **Knoop Hardness (kg/mm²):**

<3 **Parallelism (arcmin):**

0.16 **Poisson's Ratio:**

73 **Young's Modulus (GPa):**

Optical Properties

67.8 **Abbe Number (v_d):**

Uncoated **Coating:**

1.458 **Index of Refraction (n_d):**

Fused Silica **Substrate:**

1λ **Surface Flatness (P-V):**

40-20 **Surface Quality:**

200 - 3500 **Wavelength Range (nm):**

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)

2.20 **Density (g/cm³):**

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 240:
[Compliant](#)

Product Details

- Excellent Thermal Stability
- Low Auto-Fluorescence
- IR Grade Fused Silica

ISP Optics Fused Silica Windows feature high transmission across the Ultraviolet (UV), Visible (VIS), and Infrared (IR) spectrum with IR Grade substrates extending up to 3500nm with no absorption bands. Fused Silica is a commonly used material for precision optics due to its consistent and repeatable optical performance. In addition, fused silica features a low coefficient of thermal expansion that provides high thermal stability and resistance to thermal shock. ISP Optics Fused Silica Windows provide extremely low fluorescence, making them ideal for a wide range of UV and IR laser applications.