

## SCHOTT KG5, 165 x 165mm, 4.5mm Thick, Matte Colored Glass Filter Plate

#16-919



SCHOTT KG Glass (glass color will vary by product specification)

SCHOTT Matte Colored Glass Filter Plates are unpolished plates of colored glass that are used as raw material to manufacture [SCHOTT Colored Glass Filters](#). With large standard sizes up to 165 x 165mm, these plates can be cut, ground, and polished to meet application requirements for a wide range of filter sizes. SCHOTT Matte Colored Glass Filter Plates are available in all [SCHOTT colored glass types](#) including shortpass (heat absorbing), longpass, bandpass, and neutral density. To learn more about how our custom optical colored glass filter capabilities can be used for your application, see our [capabilities page](#).

## General

Type: IR Cut-Off Filter

## Physical & Mechanical Properties

Dimensions (mm):	165.0 x 165.0 +3.0/-0.0
Length (mm):	165.00
Thickness (mm):	4.50 ±0.5
Width (mm):	165.00
Edges:	Break Edges

## Optical Properties

Glass/Filter Number:	SCHOTT KG5
Coating:	Uncoated
Color:	Pale Blue
Index of Refraction ( $n_d$ ):	1.51
Wavelength:	VIS
Reflection Factor $P_d$ :	0.92

## Material Properties

Density (g/cm <sup>3</sup> ):	2.53
Transformation Temperature (°C):	565



June 01, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

Stock No.	Description
16-919	SCHOTT KG5, 165 x 165mm, 4.5mm Thick, Matte Colored Glass Filter Plate

This item does not contain any of the substances listed on the Reach SVHC list as of 17 January 2022 in quantities exceeding 0.1% weight by weight.

Please note the following:

- Entry 11 of Annex V of the REACH regulation EC 1907/2006 as amended by regulation 987/2008, exempts "non-hazardous" glass components from registration.
- Items considered to be packing materials and which do not form part of, or are not required for the operation of, the product, are not considered to be within scope of this declaration.
- EO does not routinely analyze products for substances not purposely added or specified within the design specifications, drawings and assembly procedures.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



Jay Budd, Director of Corporate Compliance  
June 01, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | [Compliance@edmundoptics.com](mailto:Compliance@edmundoptics.com)



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16-919	SCHOTT KG5, 165 x 165mm, 4.5mm Thick, Matte Colored Glass Filter Plate

Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



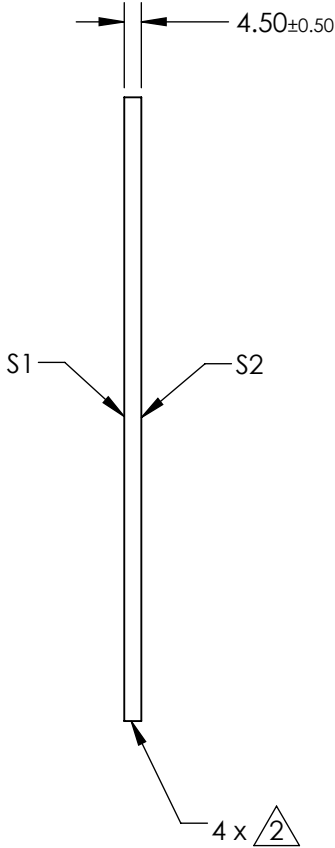
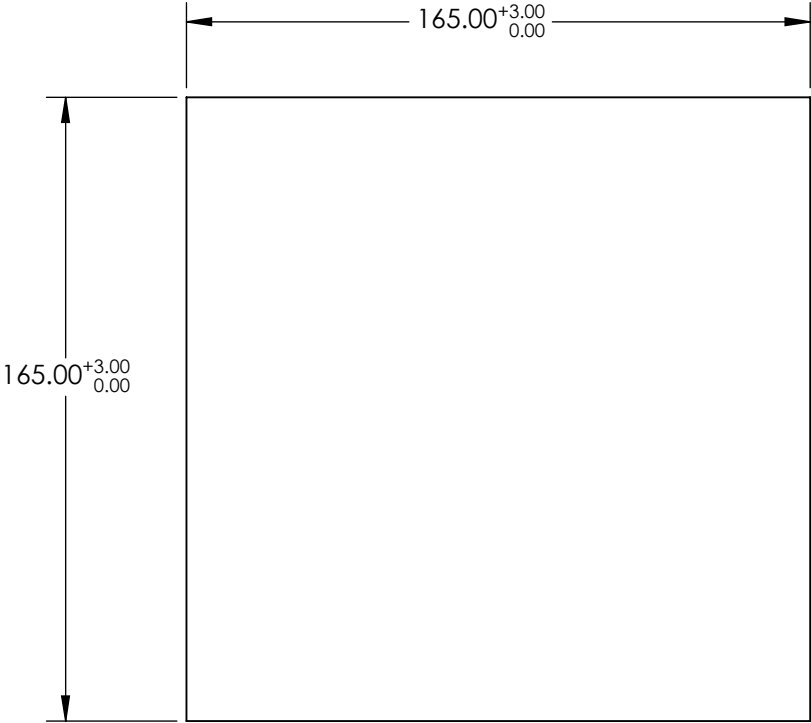
Jeff Harvey- EVP of Operations

NOTES:

1. SUBSTRATE: SCHOTT KG5



BREAK EDGES



**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

SPECIFICATIONS SUBJECT TO  
CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR  
REFERENCE ONLY

**EO**® Edmund Optics®

	S1	S2	THIRD ANGLE PROJECTION		TITLE	SCHOTT KG5, 165 x 165mm, 4.5mm Thick, Matte Colored Glass Filter Plate	
SHAPE	PLANO	PLANO	ALL DIMS IN	mm	DWG NO	16919	SHEET 1 OF 1
SURFACE QUALITY	GROUND	GROUND					