

488nm CWL, 25mm Dia., 10nm FWHM, Interference Filter

#65-692



해당 제품은 좁은 파장 대역을 선별적으로 투과하고 그 외 다른 파장 대역을 차단하는 데 사용됩니다. 바이오테크, 바이오메디컬, 정량적 화학 분석 등 여러 어플리케이션에 적합합니다. 밴드패스 간섭 필터는 일반적으로 임상화학, 환경 테스트, 측색(colorimetry), 원소 및 레이저 라인 분리, 불꽃 광도법, 형광, 면역측정 등의 어플리케이션용 계측 기기에 사용됩니다. 또한, 아크램프(arc lamp)나 가스방전등(gas discharge lamp)에서 스펙트럼 선을 분리된 형태로 각각 선택하거나 아르곤(Ar), 크립톤(Kr), Nd:YAG 및 기타 레이저에서 특정 스펙트럼 라인을 분리하는 데도 사용됩니다. 밴드패스 간섭 필터는 보통 [레이저 다이오드 모듈](#) 및 [LED](#)와 함께 사용됩니다.

General

Type:	Bandpass Filter
Typical Applications:	Ar Laser Line

Physical & Mechanical Properties

Diameter (mm):	25.00 +0.0/-0.2
Clear Aperture CA (mm):	21.0
Thickness Tolerance (mm):	±0.1
Construction:	Mounted in Black Anodized Ring

Optical Properties

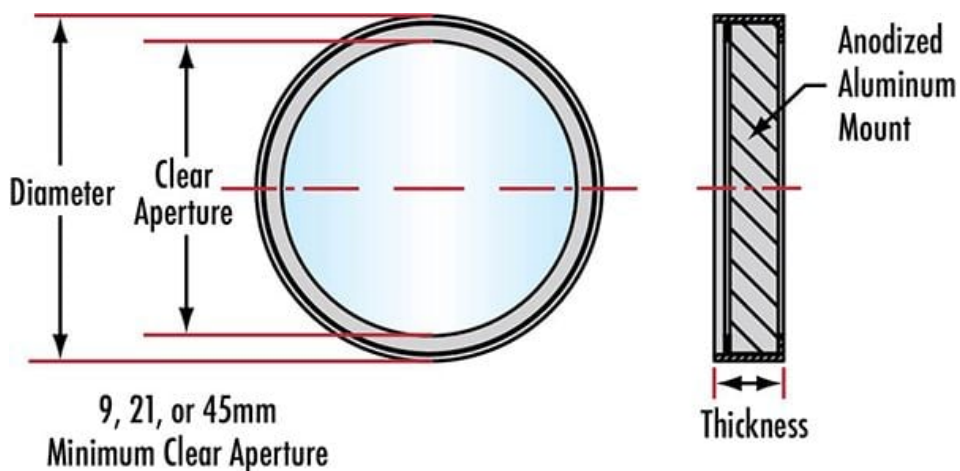
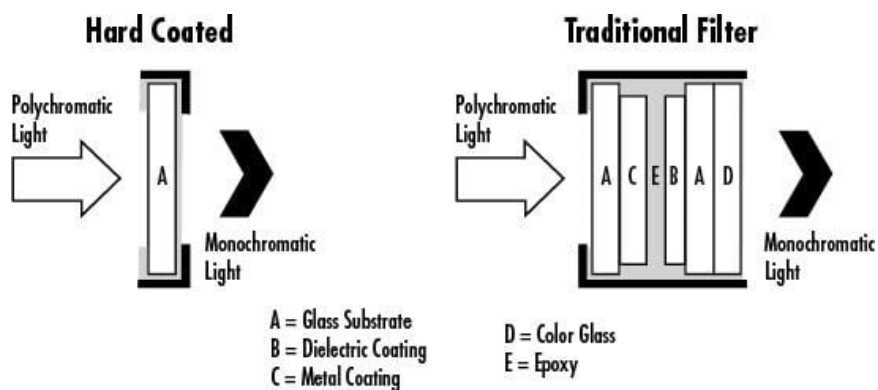
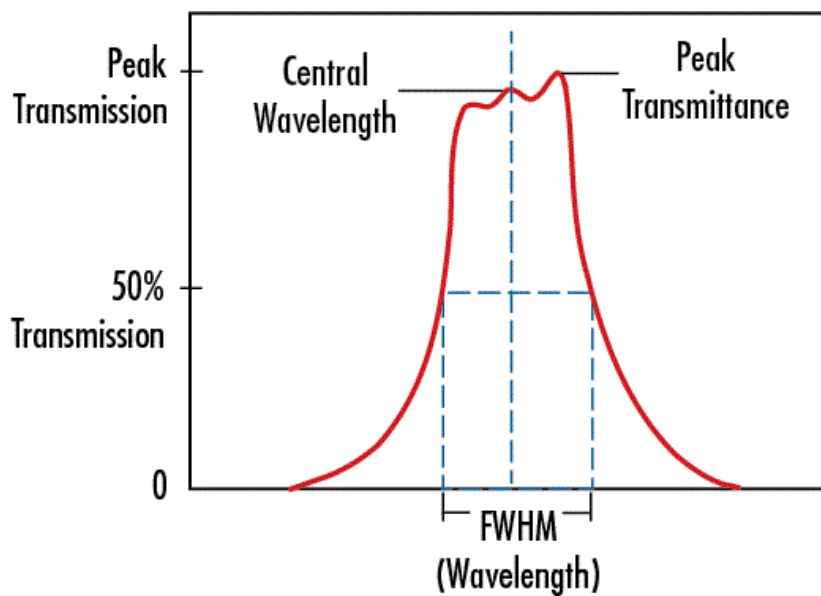
Angle of Incidence (°):	0
Optical Density OD (Average):	≥3.0
Center Wavelength CWL (nm):	488.00 ±2
Center Wavelength CWL Tolerance (nm):	±2
Full Width-Half Max FWHM (nm):	10.00 ±2
Full Width-Half Max FWHM Tolerance (nm):	±2
Minimum Transmission (%):	≥45
Coating:	Traditional Coated
Surface Quality:	80-50
Blocking Wavelength Range (nm):	200 - 1200

Threading & Mounting

Mount Thickness (mm):	7.5 ±0.1
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Environmental & Durability Factors

Operating Temperature (°C):	-50 to +75
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June 15, 2025

To Whom It May Concern,

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

재고 번호	제품설명
65-692	488nm CWL, 25mm Dia., 10nm FWHM, Interference Filter

This item is EU RoHS (2015/863/EU) compliant without the use of exemptions.

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 15, 2025Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com

June 15, 2025

재고 번호	제품설명
65-692	488nm CWL, 25mm Dia., 10nm FWHM, Interference Filter

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



June 15, 2025

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65-692	488nm CWL, 25mm Dia., 10nm FWHM, Interference Filter

This item does not contain any of the substances listed on the Reach SVHC list as of 07 November 2024 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:

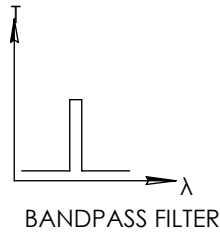
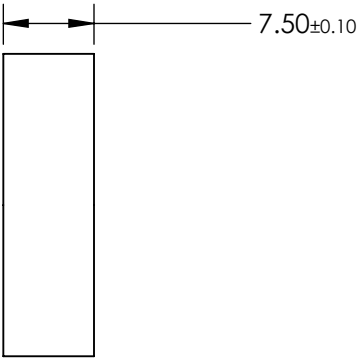
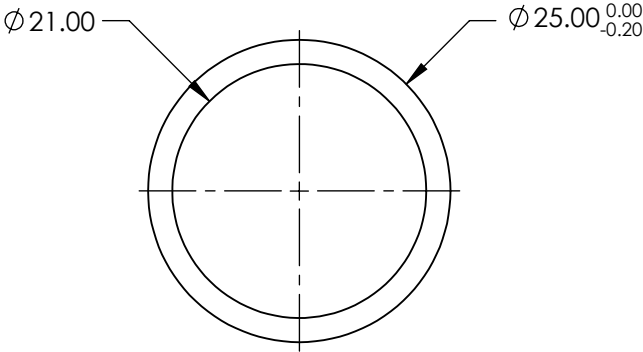
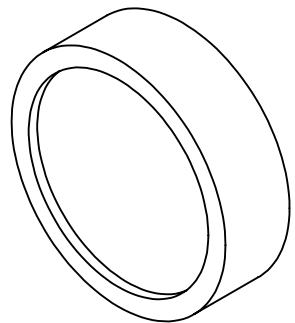
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Jay Budd, Director of Corporate Compliance
June 15, 2025

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



	VALUE
OPTICAL DENSITY	≥3.0
CENTER WAVELENGTH (CWL)	488 ±2 nm
FULL WIDTH HALF MAX (FWHM)	10 ±2 nm
MINIMUM TRANSMISSION	≥45 %
BLOCKING	200 - 1200nm
SURFACE QUALITY	80-50
CONSTRUCTION	MOUNTED IN BLACK ANODIZED RING
COATING TYPE	TRADITIONAL COATED

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

 **Edmund Optics®**



ALL DIMS IN

mm

TITLE

Ø25mm, 488nm x 10nm, MOUNTED
BANDPASS FILTER

DWG NO

65692

SHEET
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