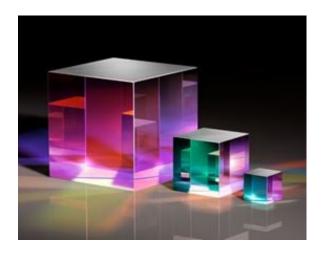


TECHSPEC! 20mm 780nm, Laser Line Polarizing Cube Beamsplitter #47-782



TECHSPEC Laser Line Polarizing Cube Beamsplitters

다수의 일반 레이저 파장용으로 설계된 TECHSPEC® Laser Line Polarizing Cube Beamsplitters는 무작위로 편광된 빔을 두 개의 직교 선형 편광 요소로 분할합니다. S-편광 빛은 90° 각도로 반사되고, P-편광 빛은 투과됩니다. 각 빔스플리터는 서로 접합된 한 쌍의 정밀 right angle prism으로 구성되어, 투과 웨이브프론트 왜곡을 최소화하고 입사 빔과 투과 빔 사이의 탁월한 평행성을 제공합니다.



General

Type: Linear Polarizer

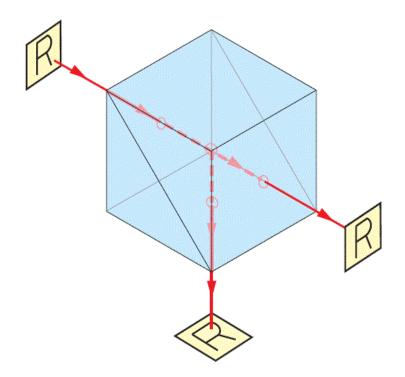
Physical & Mechanical Properties

Bevel:	Protective bevel as needed
Clear Aperture (%):	90.00
Construction:	Cube
Dimensions (mm):	20.0 x 20.0 x 20.0 ±0.1

Optical Properties

Beam Deviation (arcmin):	±3
Coating Specification:	R _{abs} <0.25% @ 780nm
Design Wavelength DWL (nm):	780
Extinction Ratio:	1000:1
P-Polarization Transmission (%):	>95
S-Polarization Reflection (%):	>99.5
Substrate:	<u>N-BK7</u>
Surface Quality:	40-20
Power (fringes) @ 632.8nm:	1.25
Irregularity (fringes) @ 632.8nm:	0.25









June 20, 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 47-782 20mm 780nm, Laser Line Polarizing Cube Beamsplitter

This item is EU RoHS (2011/65/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.

1 Budl

Jay Budd, Director of Corporate Compliance June 20, 2025

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



June 20, 2025

재고 번호 제품설명

47-782

20mm 780nm, Laser Line Polarizing Cube Beamsplitter

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 MATERIAL: N-BK7
- 2. BEAM DEVIATION: ±3 arcmin
- 3. COATING (APPLY ACROSS CLEAR APERTURE)

\$1, \$2, \$3 & \$4: R(abs) <0.25% @ 780nm \$5: Tp/Ts >1000:1 @ 780nm TRANSMISSION >95% REFLECTION >99.5%



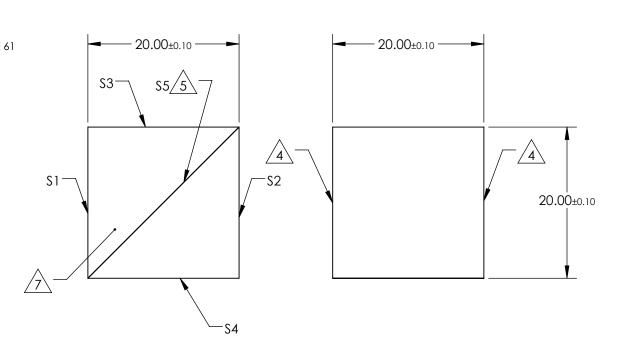
FINE GROUND SURFACE

5. ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE 61

6. PROTECTIVE BEVEL AS NEEDED

7.

MARK IDENTIFIES BEAMSPLITTER COATING RIGHT ANGLE PRISM



FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

			_			Edmund Optics®		
	\$1, \$2, \$3, \$4	\$ 5					<i>-</i> 3	
SHAPE	PLANO	PLANO	THIRD ANGLE PROJECTION			20mm, 780nm, LASER LINE POLARIZING CUBE BEAMSPLITTER		
SURFACE FLATNESS	λ/4	λ/4			TITLE			
SURFACE QUALITY	40-20	40-20		 		SEA WHO! EITHER	CHEET	
CLEAR APERTURE	90	90	ALL DIMS IN	mm	DWG NO	47782	SHEET 1 OF 1	