

TECHSPEC® 10mm VIS, 70R/30T, Non-Polarizing Cube Beamsplitter

#13-432



TECHSPEC® Broadband Non-Polarizing Cube Beamsplitters는 정밀 공차를 가진 한 쌍의 고정밀 [right angle prism](#)이 서로 접합된 구조로서 이 중 한 프리즘의 빗변에는 금속 유전체 코팅이 입혀져 있습니다. 편광 의존성이 낮은 금속 유전체 하이브리드 코팅은 S- 및 P-편광 상태에서 투과율 및 반사율이 서로 6% 이내가 되도록 합니다. 이 빔 스플리터는 지정된 파장 범위에 걸쳐 평평한 스펙트럼을 제공하며 입사각 또는 수렴/발산 빔의 변화로 인해 야기되는 영향을 줄여줍니다.

General

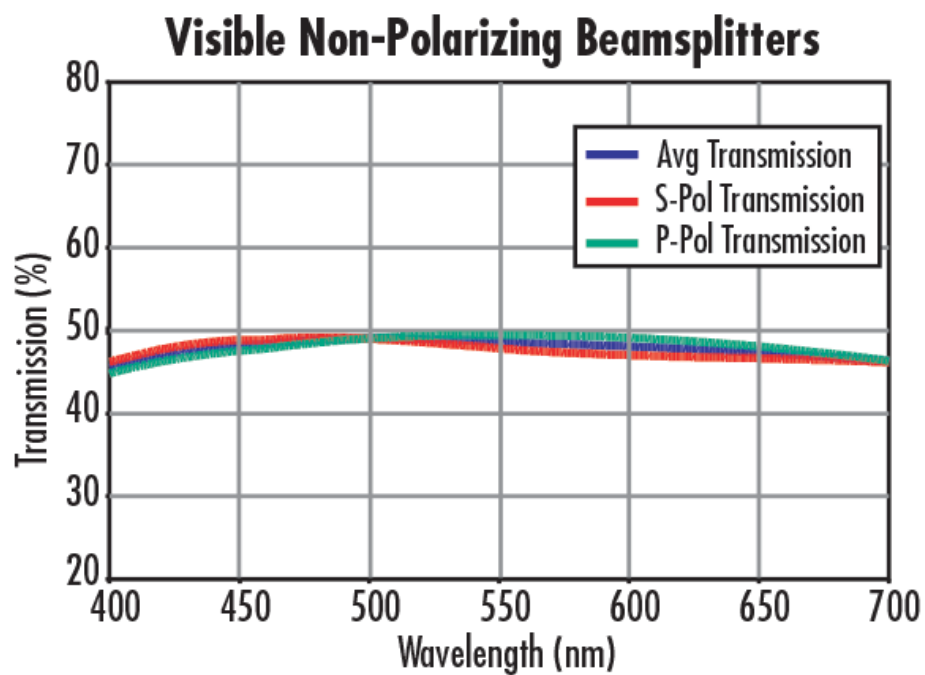
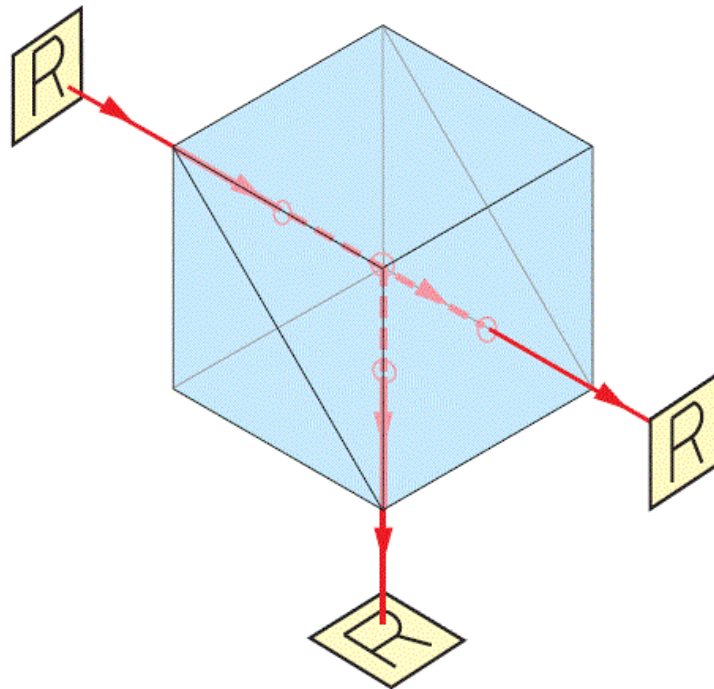
Type: Non-Polarizing Beamsplitter

Physical & Mechanical Properties

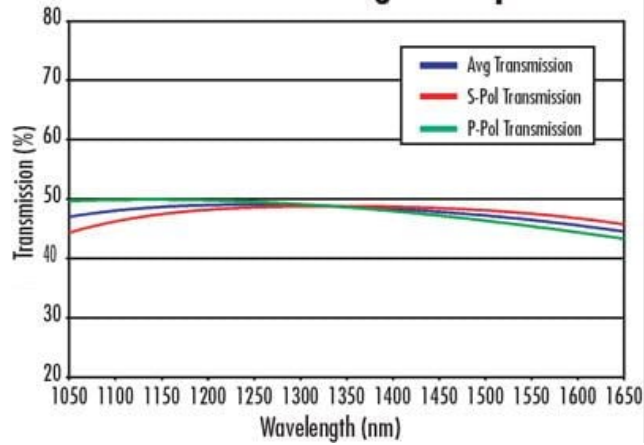
Bevel:	Protective bevel as needed
Clear Aperture (%):	>90
Construction:	Cube
Dimensions (mm):	10.0 x 10.0 x 10.0 ±0.1

Optical Properties

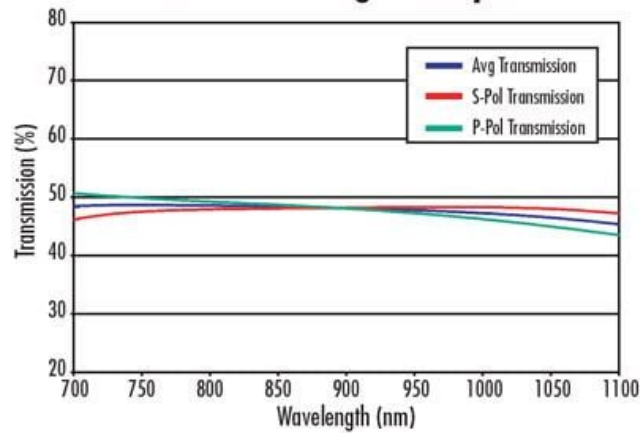
Beam Deviation (arcmin):	≤2
Coating:	VIS
Coating Specification:	$R_{avg} < 0.5\%$ @ 430 - 670nm
Reflection/Transmission Ratio (R/T):	70/30
Substrate:	N-BK7
Surface Quality:	40-20
Wavelength Range (nm):	430 - 670
Ts-Tp :	<6%
Absolute Transmission (%):	25 ±10
Average Transmission (%):	25 ±5
Power (fringes) @ 632.8nm:	1.25
Irregularity (fringes) @ 632.8nm:	0.25

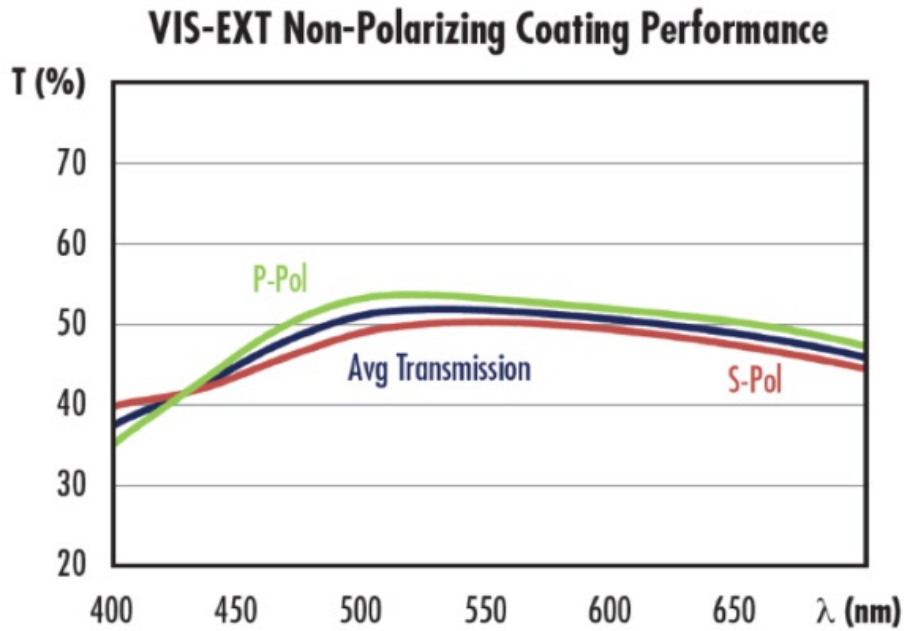


Telecom Non-Polarizing Beamsplitters



NIR Non-Polarizing Beamsplitters





June 21, 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
13-432	10mm VIS, 70R/30T, Non-Polarizing Cube Beamsplitter

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 21, 2025

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



June 21, 2025

재고 번호

13-432

제품설명

10mm VIS, 70R/30T, Non-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



June 21, 2025

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13-432	10mm VIS, 70R/30T, Non-Polarizing Cube Beamsplitter

This item falls under Entry 11 of Annex V of the REACH regulation as amended by regulation 987/2008, which exempts "non-hazardous" glass components from registration.

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 21, 2025

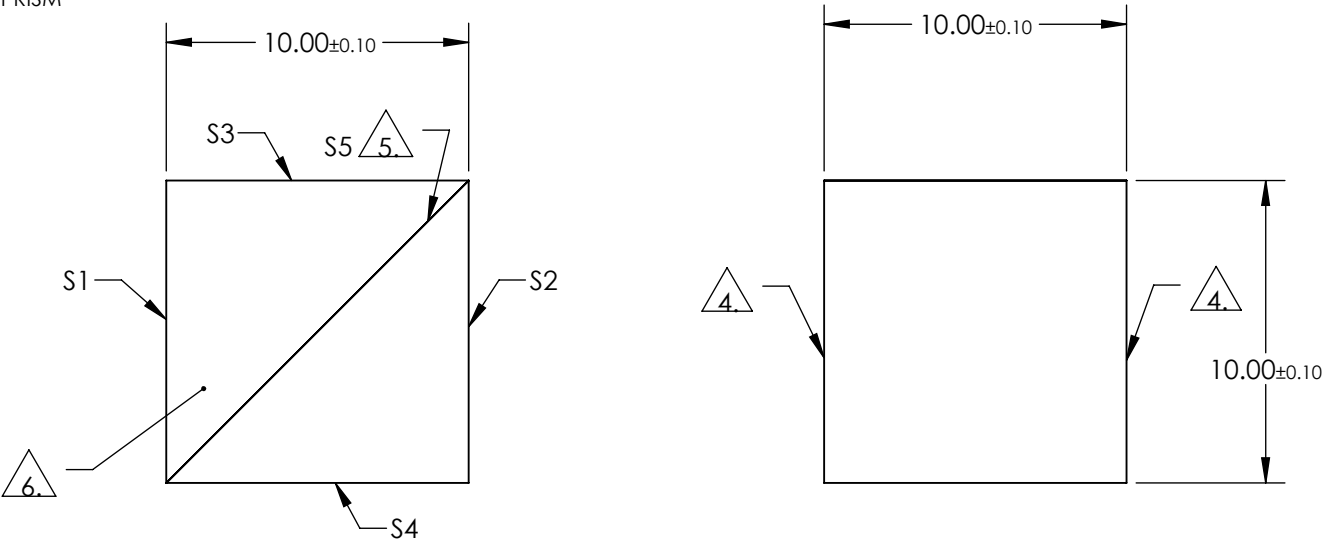
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NOTES:

- 1. SUBSTRATE:
N-BK7
- 2. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION: ≤ 2 ARCMIN
- 3. COATING (APPLY ACROSS CLEAR APERTURE):
VIS
S1, S2, S3, & S4: R(AVG) $< 0.5\%$ @ 430 - 670nm
S5: MULTILAYER DIELECTRIC TO ACHIEVE:
TRANSMISSION $> 25\% \pm 5\%$
POLARIZATION $< 6\%$

- 4. FINE GROUND SURFACE
- 5. ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA 61
- 6. MARK IDENTIFIES BEAMSPLITTED COATED RIGHT ANGLE PRISM

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING




SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE ACCURACY	$\lambda/8$	$\lambda/8$
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	$> 90\%$	$> 90\%$

THIRD ANGLE
PROJECTION

ALL DIMS IN mm

 **Edmund Optics®**

TITLE

10mm VIS, 70R/30T, Non-Polarizing Cube Beamsplitter

DWG NO

13432

SHEET
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