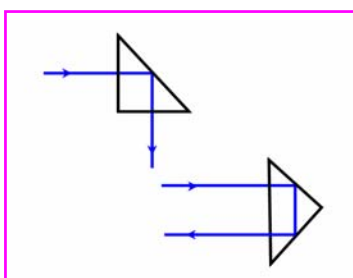


Right Angle Prisms for the UV



These right angle prisms made from UV Fused Silica convenient to mount and can be used for both 90° and 180° beam bending.



Light incident normal to one of the faces is totally internally reflected at the next face producing high efficiency reflection even without coating. However, in order to accommodate a wider range of input angles, coating the reflecting face is recommended. Entrance and exit faces should also be anti-reflection coated.

Often right angle prisms are used as substrates for special coatings. They may also be cemented together to form beamsplitter cubes. We will be pleased to consider any special request for prism coating and assembly.

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These prisms are offered with four coating options:

- U** - Uncoated – no coating at all
- B** - AR on legs – no coating on hypotenuse
- A** - AR on legs – protected Al on hypotenuse
- F** - AR on hypotenuse – protected Al on legs

We can supply UV right angle prisms in a wide range of sizes including: 5.0, 6.35, 10.0, 12.7, 15.0, 20.0, 25.4, 38.1, or 50.8 mm.

Please ask for other sizes and accuracies; we will be pleased to quote to your specifications.

Typical Specifications

Material:	UVFS
Surface flatness:	$\lambda/8$ @ 633 nm
Surface quality:	20/10
Angle tolerance:	< 30 arcsec
Perpendicularity:	< 5 arcmin
Dimensions:	+0.0 / -0.2 mm
AR coating:	R > 0.25% per face
Clear aperture:	> 85% of face

To request a quote or to order, please specify:

Quantity — Size — Coating (U,B,A,F)

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For a quotation — please phone, fax or email us with details of your requirements.