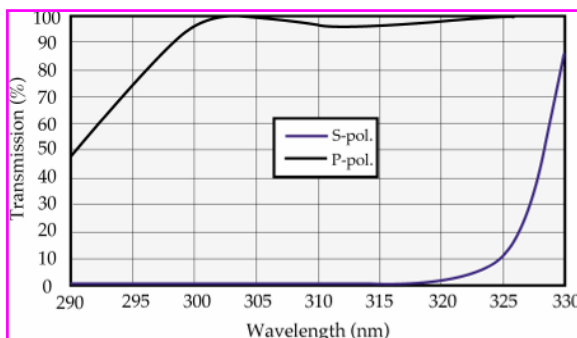


UV Polarizing Cube Beamsplitters

These thin film stacks, deposited on the internal surface of a cube beamsplitter are effective polarizers for high and low power UV applications. The coatings are designed to provide almost total re-



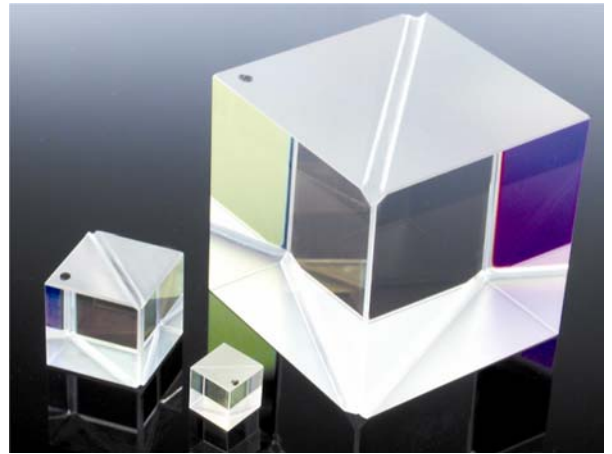
flection of the s-component and a very high transmission of the p-component. They are narrow-band devices operating best at a specific wave-

Typical Specifications

Material:	UVFS
Surface flatness:	$\lambda/4$ @ 633nm
Surface quality:	20-10
Beam deviation:	3 arcmin
Dimensions:	+/- 0.25 mm
AR coating:	<0.25% per face
Extinction ratio:	200:1
Transmission of p-pol:	> 90%
Reflection of s-pol:	>99%
Clear aperture:	>85%
Laser Damage Threshold:	5J/cm ² , 10ns

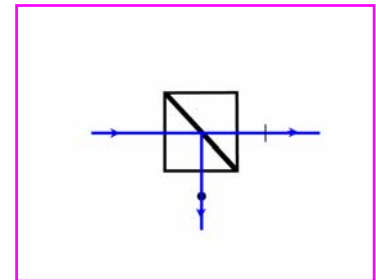
To request a quote or to order, please specify:

Quantity — Cube Side — Wavelength



length and a narrow region around it. A useful extinction ratio 200:1 is obtained using UV fused silica prisms, optically contacted together. This form is suitable for laser of fluence up to 5J/cm² (10ns).

These beamsplitters are usually supplied as 5, 10, 15 or 20 mm cubes but other sizes can be supplied on request.



Common wavelengths offered are: 248, 257, 266, 308, 352, 355 and 364 nm. Others are available so please ask.

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