



# Davidson Optronics

A TRIOPTICS COMPANY

Putting Your Future in Focus

## Porro Prism | D-523



The D-523 Porro Prism is a dependable fixture for maintaining a permanent azimuth reference and providing alignment normal to the basic reference. Space agencies and military establishments use D-523 Porro Prisms as a horizontal reference platform for azimuth aiming of various launch systems.

The dependability of the D-523 Porro Prism is based on the insensitivity of one axis related to the sensitivity in the other axis. The exit beam will be parallel to the beam entering the Porro Prism.

Therefore any rotation about the axis parallel to the vertex of the prism will not cause angular deviation. This feature enables angular measurement in one axis without regard to the other.

- **Maintains permanent azimuth reference line**
- **Provides alignment normal to basic reference**
- **Certification of accuracy traceable to NIST**

### Specifications

Flatness:	All faces flat within $\lambda/4$
Surface Quality:	80/50 per MIL-O-13830
Coating:	Aluminum with protective overcoating
Angle Between 2 Equal Faces:	$90^\circ \pm 3$ arc sec
Pyramidal Error:	10 arc sec maximum
Material:	BK-7
Mount Material:	Aluminum
Dimensions: (L x W x H)	6.75 x 1.81 x 3 inch (172 x 46 x 76 mm)
Finish:	Ivory enamel
Weight:	3.5 lbs (1.6 kg)
Shipping Weight:	7 lbs (3.2 kg)

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