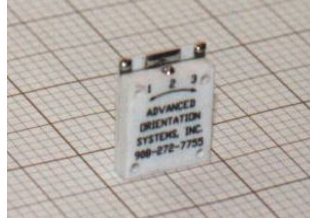




KuSaBa Engineers Pvt. Ltd.

SX-003D-NULL ULTRA HIGH RESOLUTION NULLING SENSOR



SX-003D-NULL single axis NULLING inclination sensor provides an economical and reliable tilt sensing solution for applications requiring ULTRA--HIGH resolution, superior repeatability, good near-null symmetry and linearity. Rugged hermetic construction and MIL-SPEC wide temperature range make it suitable for numerous high precision sub-arcsec laser, optical, automotive, range finder, alignment, and construction applications. Innovative proprietary vertical design, four set screw holes and low profile facilitate uncomplicated surface mounting. Duplicate sets of solder ready contacts are provided for increased contact reliability.

Specification	Data
Range	-3 to +3 arcdeg monotonous
Range	-0.5 to +0.5 arcdeg linear typical
Resolution	< 0.5 arcsec typical
Repeatability	< 0.0003 arcdeg typical
Linearity	< 10% @ 0.5 CCW & CW
Symmetry	< 15% @ 0.5 CCW & CW
Response time	< 15 msec msec * #
Time constant	< 100 msec msec ** #
Tot. settling time	< 500 msec msec *** #
Temperature	-55 to +125 deg C operational
Temperature	-55 to +125 deg C storage
Construction	Flat mount Advanced ceramics
Size	1.5"L x 0.5"W x 0.25"H

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