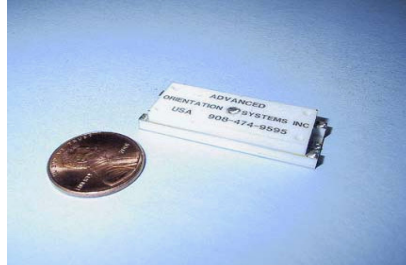




**KuSaBa Engineers Pvt. Ltd.**

## **SX-003D-NULL-L EXTENDED RANGE ULTRA HIGH RESOLUTION NULLING SENSOR**



SX-003D-NULL-L 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 set of solder ready contacts are provided for increased contact reliability.

<b>Specification</b>	<b>Data</b>	<b>Comments/units</b>
<b>Range</b>	-3 to +3	arcdeg monotonous
<b>Range</b>	-1.25 to +1.25	arcdeg linear typical
<b>Resolution</b>	< 0.5	arcsec typical
<b>Repeatability</b>	< 0.0003	arcdeg typical
<b>Linearity</b>	< 10% @ 1	CCW & CW
<b>Symmetry</b>	< 15% @ 1	CCW & CW
<b>Response time</b>	< 15 msec	msec * #
<b>Time constant</b>	<100 msec	msec * #
<b>Tot. settling time</b>	<500 msec	msec * #
<b>Temperature</b>	-55 to +125	deg C operational
<b>Temperature</b>	-55 to +125	deg C operational
<b>Construction</b>	Flat mount	Advanced ceramics
<b>Size</b>	1.5"L x 0.5"W x 0.25"H	

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