

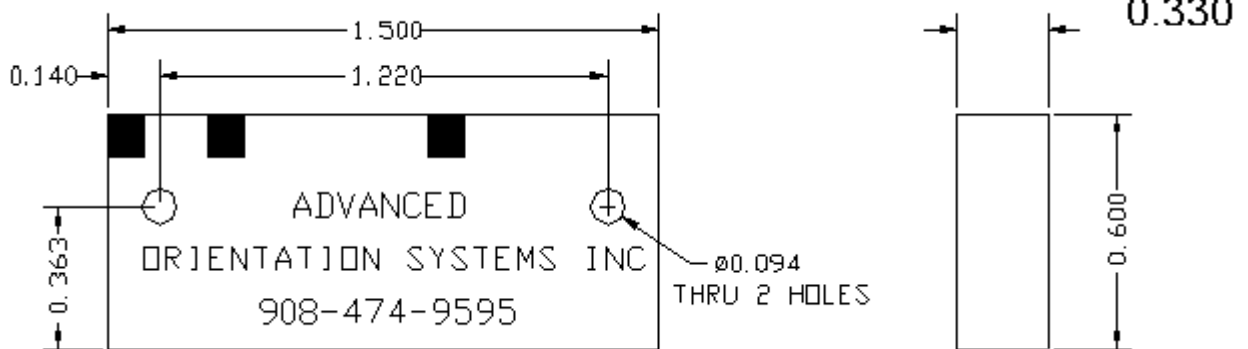


# KuSaBa Engineers Pvt. Ltd.

## SX-005D-VIB / SX-015D-VIB LINEAR Tilt Sensors

SX-015D-VIB and SX-005D-VIB are single axis LINEAR ceramics tilt sensors that provide economical and reliable single axis tilt solutions for HIGH VIBRATION applications where very good linearity, high resolution and superior symmetry are required. Constructed with a specially developed internal cavity helps restrict the movement and foaming of electrolyte during severe vibrations. Rugged construction, MIL-SPEC wide temperature range and excellent filtering ability during vibration make these sensors suitable for numerous construction, military, automotive, industrial, laser, medical, heavy machinery and robotics applications. Low profile and vertical flat reference surface facilitate simple utilization.

Specification	SX-005D-VIB	SX-015D-VIB	Comments/Units
Range	-5 to +5	-15 to +15	arcdeg near-linear
Range	-3 to +3	-12 to +12	arcdeg lin
Resolution	<5	<5	arcsec typical
Repeatability	<0.002	<0.002	arcdeg typical
Linearity	<1% @ 3°	<1% @ 12°	CCW & CW
Linearity	<0.5% @ 2°	<0.5% @ 6°	CCW & CW
Linearity	<0.25% @ 1°	<0.3% @ 3°	CCW & CW
Symmetry	<2% @ 3°	<2% @ 12°	CCW & CW
Response time	<100	<100	msec * #
Time constant	<1000 msec	<1000 msec	msec ** #
Tot. settling time	<2 sec	<2 sec	sec *** #
Temperature	-55 to +125	-55 to +125	deg C operational
Temperature	-55 to +125	-55 to +125	deg C storage
Construction	ceramic	ceramic	Hermetic
Size	1.500"w x 0.600h x 0.330	1.500"w x 0.600h x 0.330	



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