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FUTEK MODEL QTA138

ITEM NUMBER: QSH01843

CUSTOM MINIATURE REACTION TORQUE SESNOR

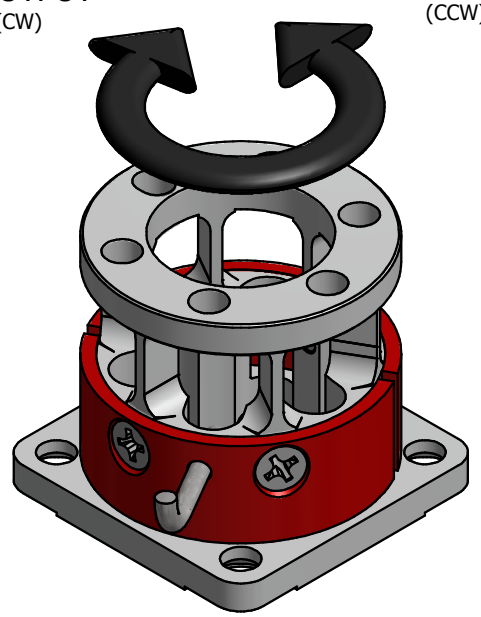
INCH [mm]	R.O.= Rated Output

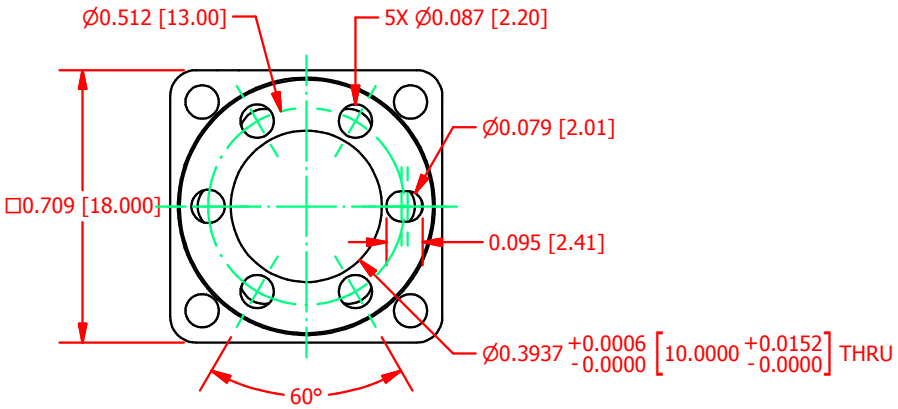
WIRING CODE			
+ EXCITATION	- EXCITATION	+ SIGNAL	- SIGNAL
RED	BLACK	GREEN	WHITE
SHIELD			
FLOATING			

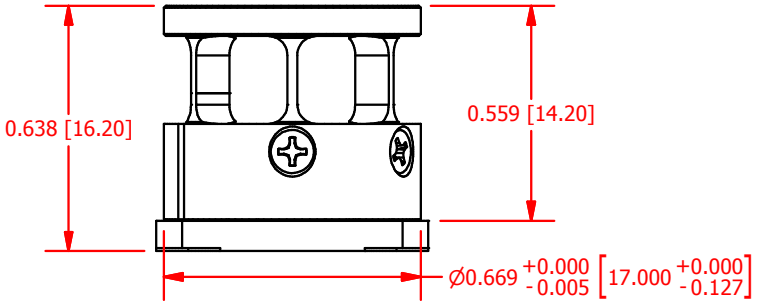
RoHS Compliant

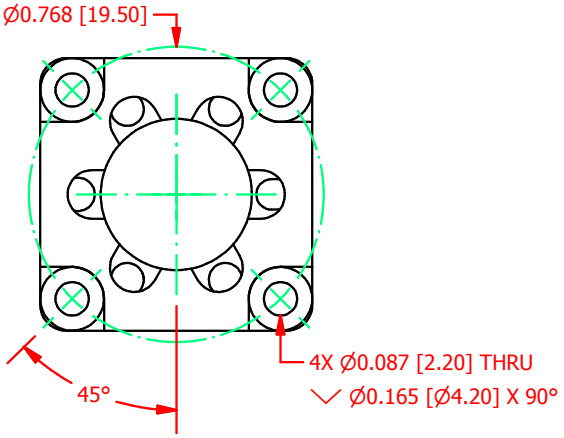
+ OUTPUT (CW)

- OUTPUT (CCW)









SPECIFICATIONS:

RATED OUTPUT	1 mV/V nom.
CAPACITY	3.1 lb. [0.35Nm]
SAFE OVERLOAD	150 % of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	7 MAX
BRIDGE RESISTANCE	350 Ω nom.
NONLINEARITY	±0.5% of R.O.
HYSTERESIS	±0.5% of R.O.
NONREPEATABILITY	±0.2% of R.O.
TEMP. SHIFT ZERO	±0.2% of R.O./°F (±0.36 of R.O./°C)
TEMP. SHIFT SPAN	±0.4% of LOAD/°F (±0.72 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-60 to 200 °F (-51 to 93 °C)
WEIGHT (approx)	0.03 lb [9.1 g]
MATERIAL (Flexure)	Aluminum 2024-T4
MATERIAL (Cover)	Anodized Aluminum

CABLE: #34 Awg 4 Conductor Braided Shielded Cable, 0.5 ft [0.15 m] Long

ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION TEST EXCITATION	5 VDC
CALIBRATION (STD)	C of C
CALIBRATION (OPT)	5 pt. CW & CCW

Preliminary Drawing

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES

DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M

REMOVE BURRS AND BREAK SHARP EDGES .005 - .015

THREADS PER HANDBOOK H-28

DIMENSIONS ARE SHOWN AFTER PLATING

3rd ANGLE PROJ.

ANGLE: ± 1/2°

CHAMFER: ± 5°

TOLERANCE: .X ± 0.1" .XX ± 0.01" .XXX ± 0.005"

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MODEL: QTA138	DWG No.: FO1421
DRAWN BY: G. ZINZUN	CREATED DATE: 4/1/2016
APPROVED BY:	APPROVED DATE:
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1

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