10 Thomas, Irvine, CA 92618 USA
Email: futek@futek.com

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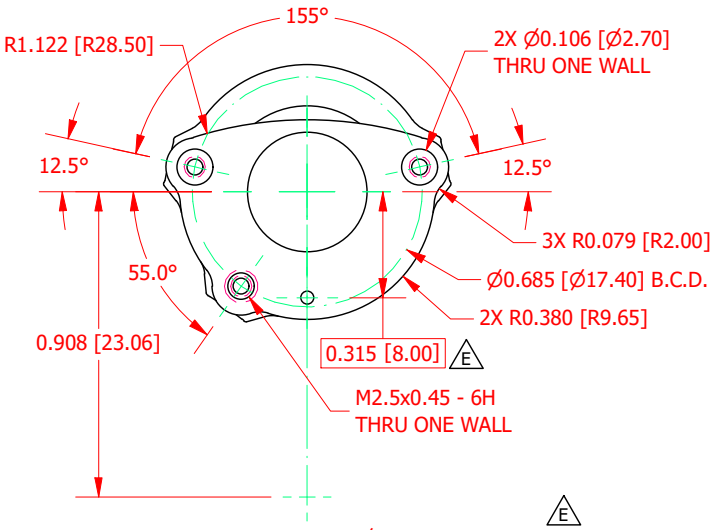
FUTEK MODEL QTA152

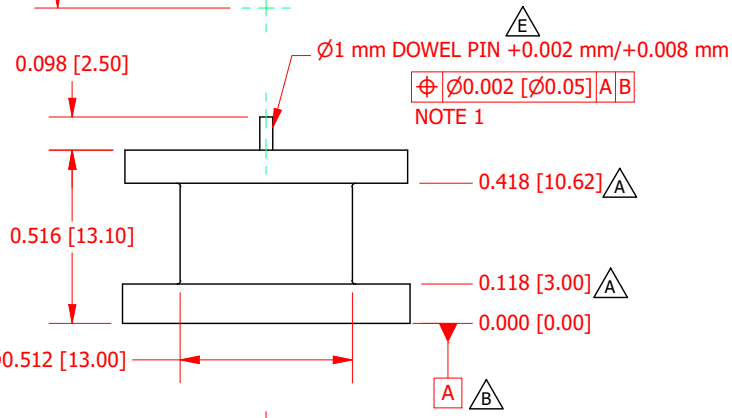
ITEM NUMBER: QSH02036

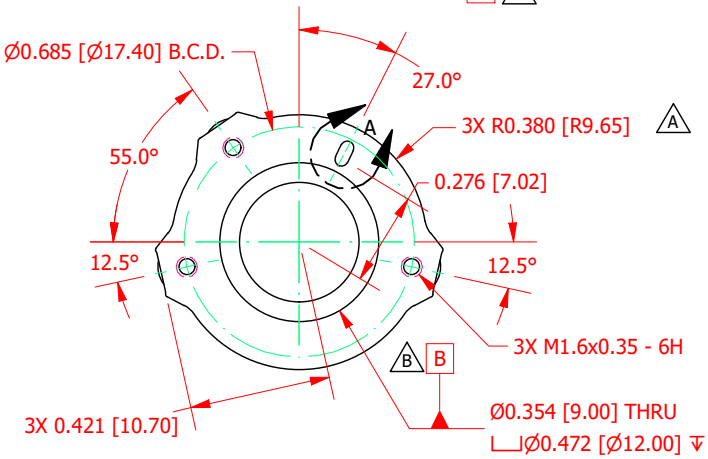
CUSTOM MICRO REACTION TORQUE SENSOR

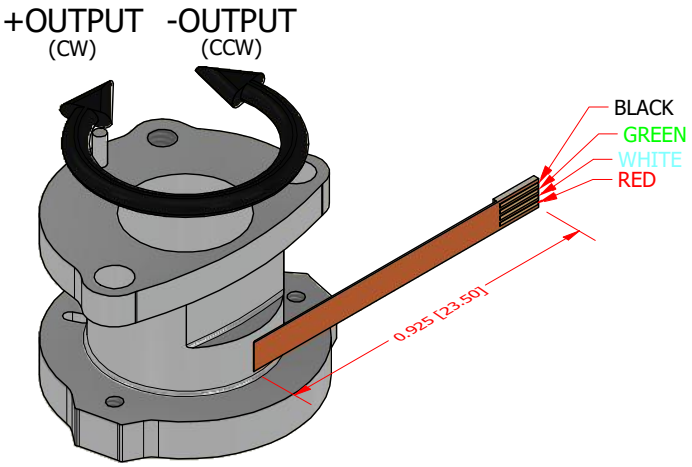
INCH [mm]	R.O.= Rated Output		
WIRING CODE (WC1)			
+ EXCITATION	- EXCITATION	+ SIGNAL	- SIGNAL
RED	BLACK	GREEN	WHITE

RoHS Compliant







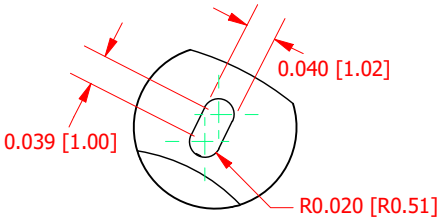


SPECIFICATIONS:

RATED OUTPUT		0.50 mV/V nom
CAPACITY		1 N-m
SAFE OVERLOAD		500% of R.O.
ZERO BALANCE		±3% of R.O.
EXCITATION (VDC OR VAC)		10 max
BRIDGE RESISTANCE		1000 Ω nom.
NONLINEARITY		±0.5% of R.O.
HYSTERESIS		±0.5% of R.O.
NONREPEATABILITY		±0.2% of R.O.
TEMP. SHIFT ZERO	A	±0.01% of R.O./°F (0.018% of R.O./°C)
TEMP. SHIFT SPAN		±0.04% of Load/°F (0.072% 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)		0.02 lb [9.1 g]
MATERIAL	B	ALUMINUM 2024-T4/T351

CABLE: Flat Flex Circuit 0.925 in, 0.5 mm Pitch, 4 Conductor (FFC)

RoHS 2011/65/EU Compliant



DETAIL A

NOTES: E

1. FN-5 PRESS FIT 52100 ALLOY STEEL DOWEL PIN, MCMASTER-CARR 91595A951 OR EQUIVALENT

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	4/4/2019	E	10/15/2019
B	8/8/2019		
C	8/16/2019		
D	9/27/2019		

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES

DRAWING INTERPRETATION DIMS. PER ASME-Y14.5

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"

FUTEK

MODEL: QTA152	DWG No.: FO1474-E
DRAWN BY: J. RUIZ	CREATED DATE: 8/23/2018
APPROVED BY: J. PARK	APPROVED DATE: 10/11/2018
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1