

FUTEK MODEL QMA150

CUSTOM TORQUE & THRUST SENSOR

ITEM NUMBER: QSH02151

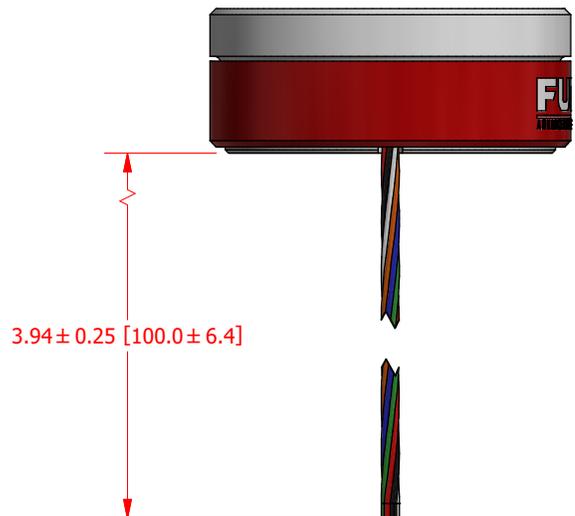
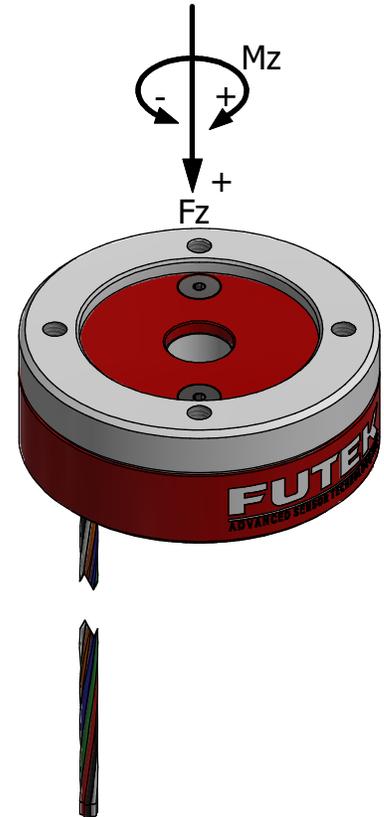
INCH [mm] | R.O.= Rated Output

WIRING CODE

+ Excitation	- Excitation	+Signal (Ch 1)	-Signal (Ch 1)
RED	BLACK	GREEN	WHITE
		+Signal (Ch 2)	-Signal (Ch 2)
		ORANGE	BLUE

SPECIFICATIONS:

RATED OUTPUT	Fz: 1 mV/V , Mz: 1 mV/V
CAPACITY	Fz: 22.48 lbs [100 N] , Mz: 22.13 in-lbs [2.5 N-m]
SAFE OVERLOAD	150% 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	±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)	0.04 lb [18.1 g]
MATERIAL	ALUMINUM 2024-T4/T351
CABLE: #29 AWG 6 Conductor Spiral Teflon Cable, 3.94 in long	
RoHS EU 2015/863 Compliant	



CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

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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

ANGLE: ± 1/2°
 CHAMFER: ± 5°
 TOLERANCE:
 .X ± 0.1"
 .XX ± 0.01"
 .XXX ± 0.005"

3rd ANGLE PROJ.

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FUTEK
 ADVANCED SENSOR TECHNOLOGY, INC.
 10 THOMAS, IRVINE, CA 92618 USA
 Phone: (949) 465-0900
 Fax: (949) 465-0905

MODEL: **QMA150**

DWG No.: **FO1539**

DRAWN BY: J. RUIZ

CREATED DATE: 6/19/2020

APPROVED BY: J. PARK

APPROVED DATE: 6/30/2020

CHECKED BY:

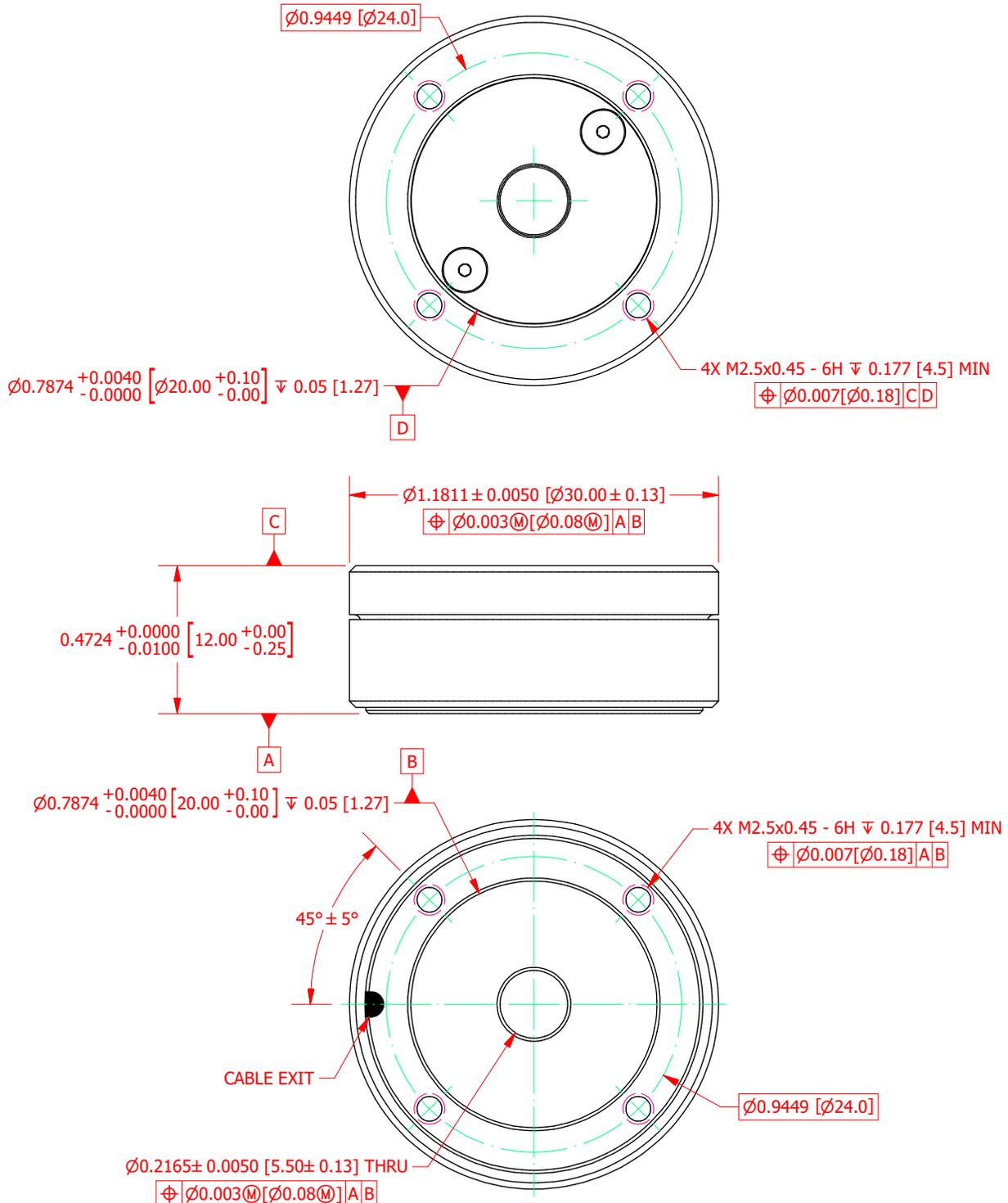
CAGE: 1X8M6 SHEET: 1 OF 2

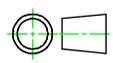
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CUSTOMER APPROVAL- NAME / DATE:			
REVISIONS: (Refer to dwg # revision sheet)	<p>3rd ANGLE PROJ.</p>  <p>ANGLE: ± 1/2" CHAMFER: ± 5" TOLERANCE: .X ± 0.1" .XX ± 0.01" .XXX ± 0.005"</p>	<p>DRAWN BY: J. RUIZ APPROVED BY: J. PARK CHECKED BY:</p>	<p>CREATED DATE: 6/19/2020 APPROVED DATE: 6/30/2020 CAGE: 1X8M6 SHEET: 2 OF 2</p>