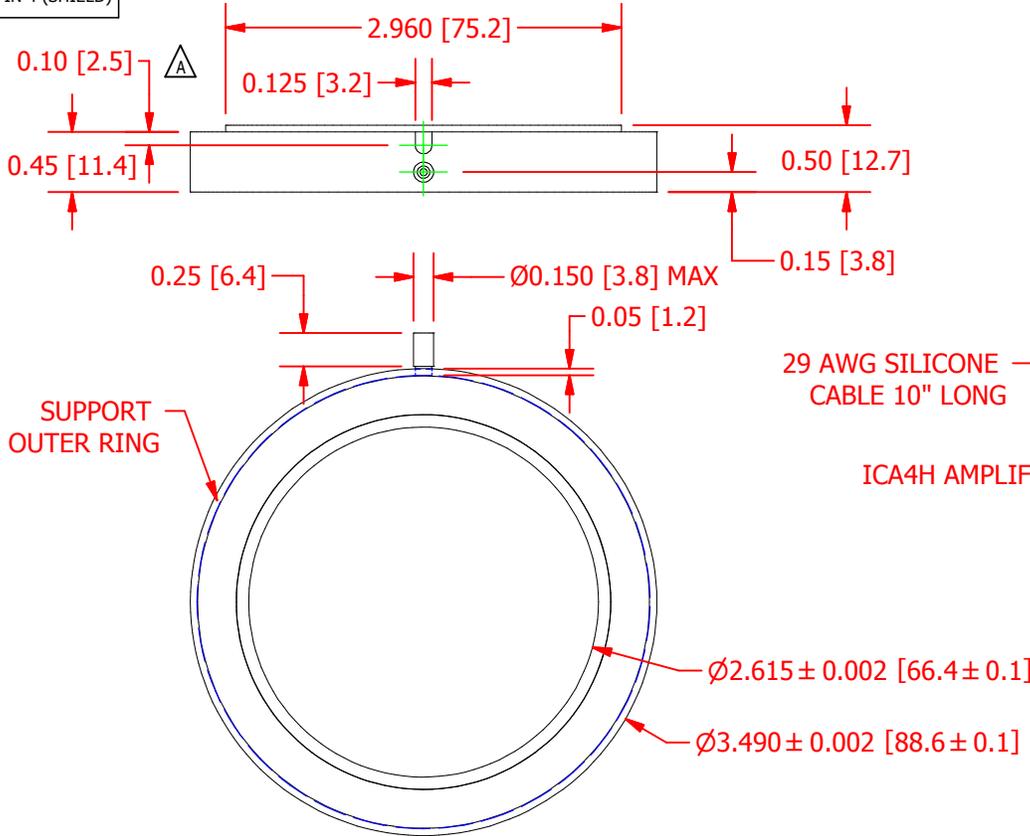


# FUTEK MODEL QLA352

# CUSTOM DONUT LOAD CELL w/ AMPLIFIER

ITEM NUMBER: QSH01530

INCH [mm]		R.O.= Rated Output	
WIRING CODE			
Supply +	Supply -	Output + (mA)	Output - (mA)
PIN 3 (RED)	PIN 2 (BLACK)	PIN 5 (WHITE)	PIN 6 (GREEN)
Ground Floating			
PIN 4 (SHIELD)			



+ OUTPUT (COMPRESSION)



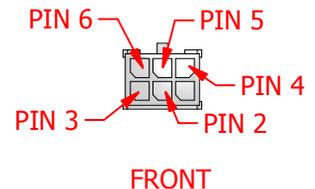
29 AWG SILICONE CABLE 10" LONG

ICA4H AMPLIFIER

24 AWG PVC 7" LONG

0430200601 MOLEX CONNECTOR WITH 430310008 MALE PINS

FRONT



## SPECIFICATIONS:

RATED OUTPUT	4-20 mA (3 wire).
CAPACITY	1000 lb [4.45kN]
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±3 of R.O.
EXCITATION	13-30 VDC @ 42 mA min
NONLINEARITY	±0.5 of R.O.
HYSTERISIS	±0.5 of R.O.
NONREPEATABILITY	±0.5 of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (±0.018 of R.O./°C)
TEMP. SHIFT SPAN	±0.01% of LOAD/°F (±0.018 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-60 to 185 °F (-51 to 85 °C)
WEIGHT (approx)	0.3 lb
MATERIAL	17-4ph S.S.

CABLE: 10 inch #29 Awg Silicone cable to MANTRACOURT amplifies with 7 inch #26 Awg silicone cable to MOLEX 0430200601 connector w/ 430310008 male pins

CUSTOMER APPROVAL- COMPANY:	<h1>OUTLINE DRAWING</h1>	<p>This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from:</p> <p><b>FUTEK</b> ADVANCED SENSOR TECHNOLOGY, INC. 10 THOMAS, IRVINE, CA 92618 USA Phone: (949) 465-0900 Fax: (949) 465-0905</p>
CUSTOMER APPROVAL- NAME / DATE:		
REVISIONS: (Refer to dwg # revision sheet)	<p>STANDARD NOTES: (Unless Otherwise Specified)</p> <p>ALL DIMENSIONS ARE IN INCHES</p> <p>DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M</p> <p>REMOVE BURRS AND BREAK SHARP EDGES .005 - .015</p> <p>THREADS PER HANDBOOK H-28</p> <p>DIMENSIONS ARE SHOWN AFTER PLATING</p> <p>3rd ANGLE PROJ.</p> <p>ANGLE: ± 1/2"</p> <p>CHAMFER: ± 5"</p> <p>TOLERANCE: .X ± 0.1" .XX ± 0.01" .XXX ± 0.005"</p>	<p>MODEL: <b>QLA352</b></p> <p>DRAWN BY: E. PANO</p> <p>APPROVED BY: R. WALKER</p> <p>CHECKED BY:</p>
A 8/22/2011		<p>DWG No.: <b>FO1296-A</b></p> <p>CREATED DATE: 8/15/2011</p> <p>APPROVED DATE: 8/18/2011</p> <p>CAGE: 1X8M6 SHEET: 1 OF 1</p>