

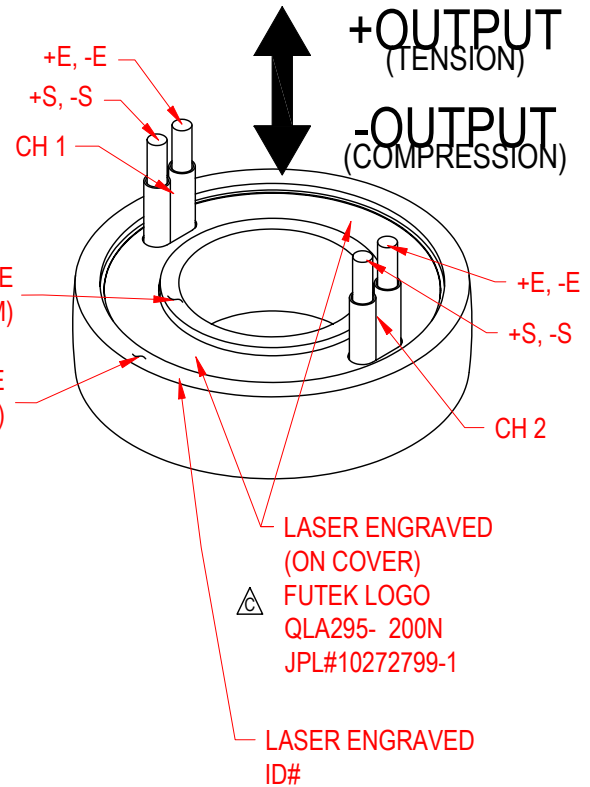
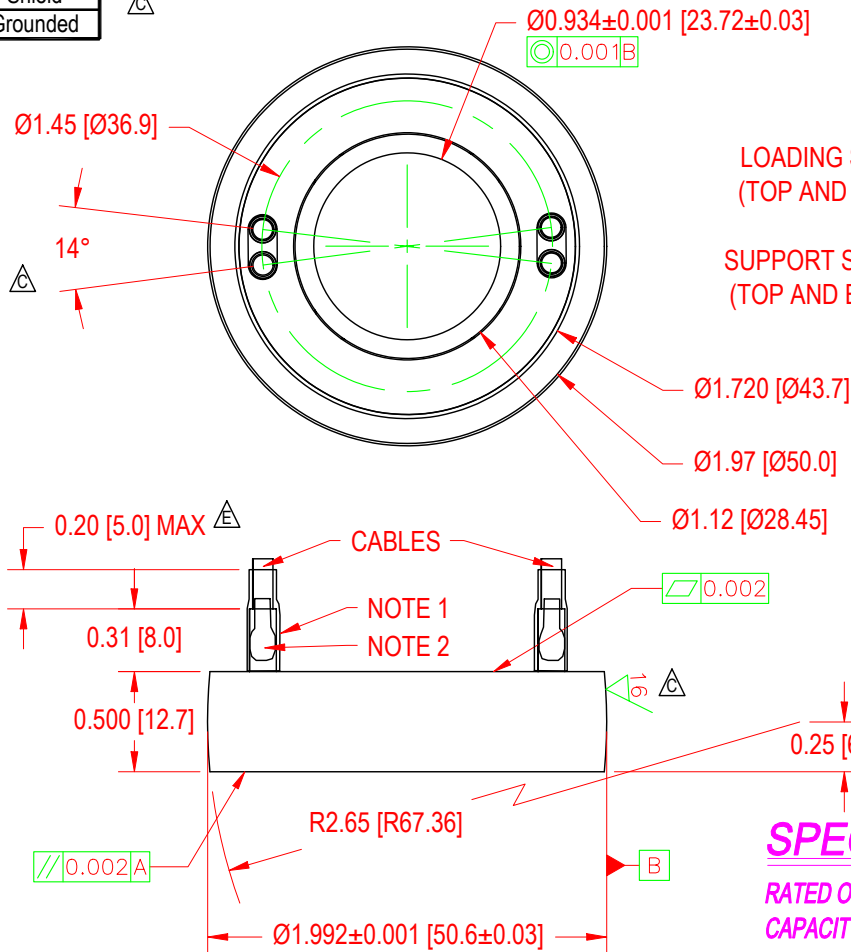
FUTEK MODEL QLA295 Cryogenic Donut Load Cell

STOCK NUMBER: QSH01025

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

WIRING CODE

+Excitation	-Excitation	+Signal	-Signal
RED*	BLACK*	GREEN*	WHITE*
Shield	△		
Grounded			



SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	45 lbs (200 N)
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±0.125 mV/V
EXCITATION (VDC OR VAC)	15 MAX
BRIDGE RESISTANCE	700 Ω nom
NONLINEARITY	±1% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (0.02% of R.O./°C)
TEMP. SHIFT SPAN	±0.05% of LOAD/°F (0.09% of LOAD/°C)
COMPENSATED TEMP.	-112 to 158°F (-80 to 70°C)
OPERATING TEMP.	-112 to 158°F (-80 to 70°C)
NONOPERATING TEMP.	-211 to 257°F (-135 to 125°C)
WEIGHT	Approx 0.2 lb (Excluding cables)
MATERIAL- FLEXURE	15-5ph S.S.
CABLE(S): Ø0.10, 28 AWG, Twisted Pairs, 3.3 ft (1 m) Long (Supplied by Customer)	

NOTES:

* REMOVABLE COLOR CODED SHRINK TUBE SUPPLIED AT PIGTAIL END OF CABLE

- SHRINK TUBE SUPPLIED BY CUSTOMER
- CABLE SHIELD SOLDERED TO OUTSIDE OF FERRULE TUBE.

MATERIAL:

—

HEAT TREATMENT - FINISH:

—

REVISIONS: (Refer to dwg # revision sheet)

- 2-11-08
- 2-15-08
- 2-28-08
- 4-2-08
- 7-30-08

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

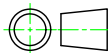
- ALL DIMENSIONS ARE IN INCHES
- DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
- REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
- THREADS PER HANDBOOK H-28
- DIMENSIONS ARE SHOWN AFTER PLATING

ANGLE:
±1/2°

CHAMFER:
±5°

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

3rd ANGLE PROJ.



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:

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

10 THOMAS
IRVINE, CA 92618 USA
Phone: (949) 465-0900
Fax: (949) 465-0905

CAGE: 1X8M6

MODEL: **QLA295**

DRAWN BY: R. WALKER

APPROVED BY: —

DWG No.: **FO1206-E**

CHECKED BY: J. V. MEISELBACH

DATE: **Jan 28, 2008**