

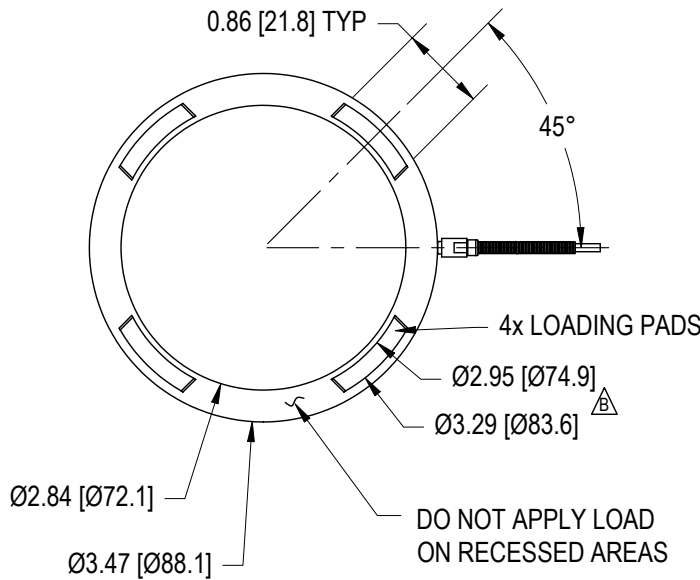
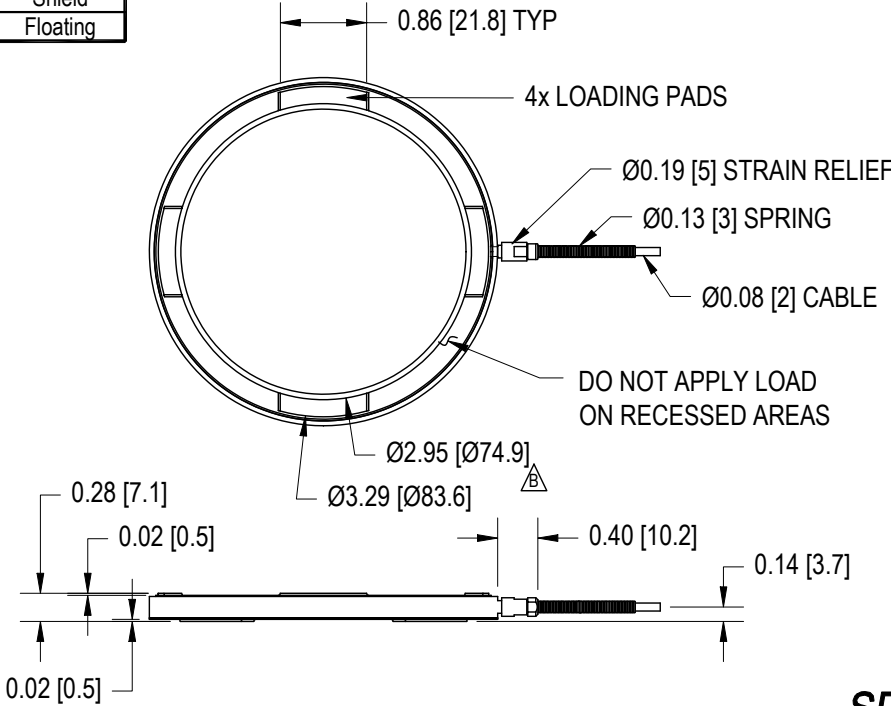
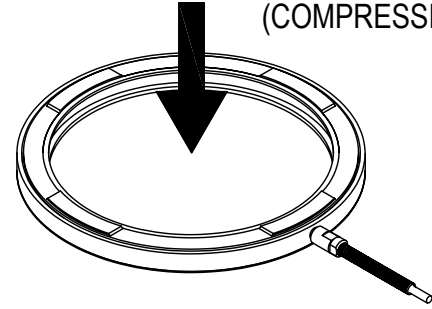
FUTEK MODEL QLA298

Custom Donut Load Cell

STOCK NUMBER: QSH01130

| | | | |
|--------------------|-------------|--------------------|---------|
| INCH (mm) | | R.O.= Rated Output | |
| WIRING CODE | | | |
| +Excitation | -Excitation | +Signal | -Signal |
| RED | BLACK | GREEN | WHITE |
| Shield | | | |
| Floating | | | |

+OUTPUT
(COMPRESSION)



SPECIFICATIONS:

| | |
|--|---------------------------------------|
| RATED OUTPUT | 1.5 mV/V nom. |
| CAPACITY | 10000 N (2250 lb) |
| SAFE OVERLOAD | 350% of R.O. |
| ZERO BALANCE | ±3% of R.O. |
| EXCITATION (VDC OR VAC) | 15 MAX |
| BRIDGE RESISTANCE | 350 Ω nom |
| NONLINEARITY | ±3% of R.O. |
| NONREPEATABILITY | ±0.25% of R.O. |
| TEMP. SHIFT ZERO | ±0.02% of R.O./°F (0.038% of R.O./°C) |
| TEMP. SHIFT SPAN | ±0.02% of LOAD/°F (0.038% of LOAD/°C) |
| COMPENSATED TEMP. | 59 to 104°F (15 to 40°C) |
| OPERATING TEMP. | -40 to 200°F (-40 to 93°C) |
| WEIGHT | approx 3 oz |
| MATERIAL | 17-4ph S.S. |
| CABLE: 29 AWG, 4 Conductor Spiral Shielded Silicone Cable, 6 ft [2m] Long | |

NOTES:

- 1) MOUNTING SURFACES THAT CONTACT LOADING PADS ARE TO MAINTAIN 0.0005 FLATNESS OR BETTER TO OBTAIN OPTIMAL ACCURACY.

MATERIAL:

—

HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

△ 7-11-08

△ 7-23-08

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.



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CAGE: 1X8M6

MODEL: **QLA298**

DWG No.: **F01217-B**

DRAWN BY: **R. WALKER**

CHECKED BY: **J.V. MEISELBACH**

APPROVED BY: —

DATE: **June 23, 2008**