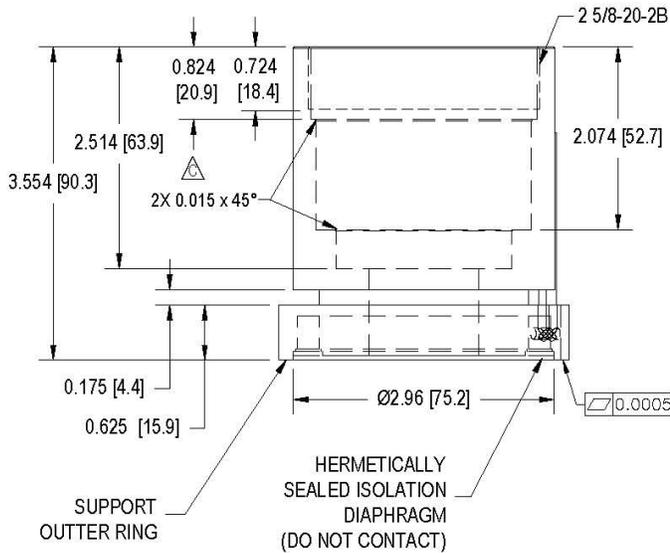
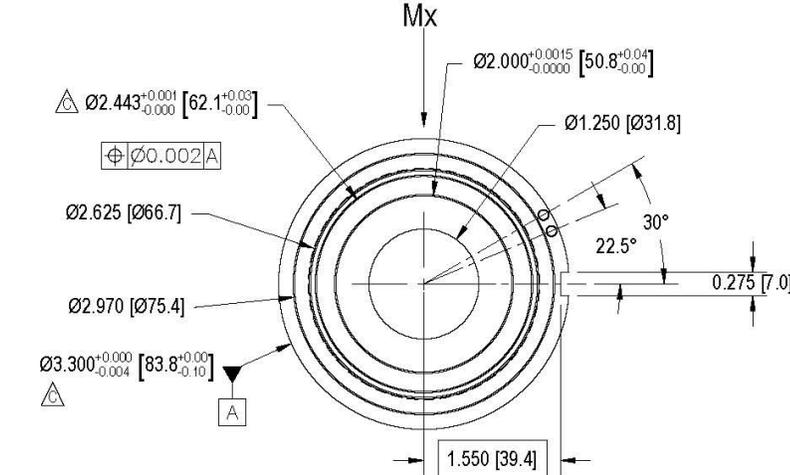
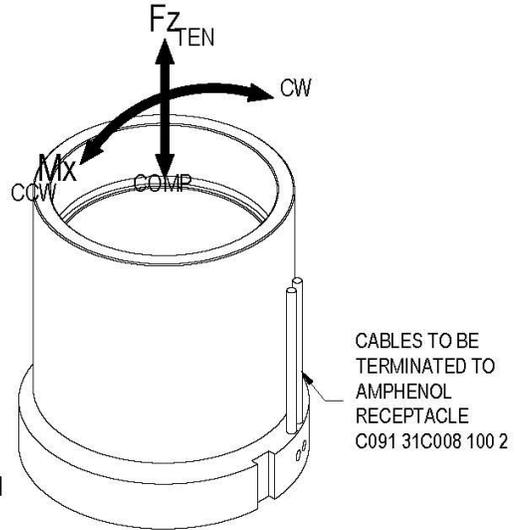


FUTEK MODEL QMA121

Custom Fatigue Rated Dual Axis Loadcell

ITEM NUMBER: QSH01298

INCH [mm]		R.O.= Rated Output	
CONNECTOR CODE			
+Excitation	-Excitation	+Signal (Fz)	-Signal (Fz)
PIN '1'	PIN '2'	PIN '3'	PIN '4'
+Signal (Mx)	-Signal (Mx)	Ground (Floating)	N/C
PIN '5'	PIN '6'	PIN '7'	PIN '8'



SPECIFICATIONS:

RATED OUTPUT	1 mV/V nom (Fz), 0.5 mV/V nom (Mx)
CAPACITY	5000 lb (Fz), 1500 in-lb (Mx)
SAFE OVERLOAD	300% of R.O. (Fz)
MAX SIDELOAD	1500 in-lb (Mx)
ZERO BALANCE	±3-5% of R.O.
EXCITATION (VDC OR VAC)	18 max
BRIDGE RESISTANCE	700 Ω nom (Fz), 350 Ω nom (Mx)
NONLINEARITY	±1% of R.O. (Fz), 2% of R.O. (Mx)
NONREPEATABILITY	±0.1% of R.O.
TEMP. SHIFT ZERO	±0.005% of R.O./°F (0.009% of R.O./°C)
TEMP. SHIFT SPAN	±0.01% of LOAD/°F (0.018% of LOAD/°C)
COMPENSATED TEMP.	60 to 160°F (15 to 71°C)
OPERATING TEMP.	-40 to 200°F (-40 to 93°C)
FATIGUE CYCLE (FULL REVERSING)	> 50 million
WEIGHT	approx 3.3 lb
MATERIAL	17-4ph S.S.
CABLE:	2X 28 Awg, 4 Conductor, Braided Shielded PVC, 6in Long

CUSTOMER APPROVAL-COMPANY

OUTLINE DRAWING

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

CUSTOMER APPROVAL-NAME /DATE

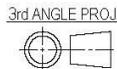
STANDARD NOTES: (Unless Otherwise Specified)

- 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



CAGE: 1X8M6

MODEL: QMA121

DRAWN BY: R. WALKER

APPROVED BY: -

DWG No.: F01248-C

CHECKED BY: J. MOKHBERY

DATE: July 1, 2009

- REVISIONS: (Refer to dwg # revision sheet)
- 9-4-09
 - 9-11-09
 - 10-9-09