

FUTEK MODEL QLA292 Custom Donut Load Cell (SKF)

STOCK NUMBER: QSH01024

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

WIRING CODE

+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
Shield			
Floating			

6x M4x0.7 X 0.38
[9.65] DEEP
EQUALLY SPACED ON
5.625 [142.88] B.C.D.
(FAR SIDE)



6x M4x0.7 X 0.38
[9.65] DEEP
EQUALLY SPACED ON
4.250 [107.95] B.C.D.



NONLOADING
SURFACE

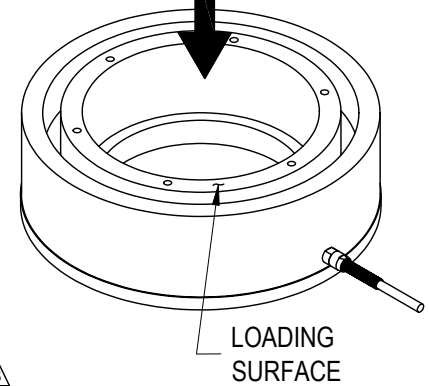
Ø5.25 [Ø133.35]

Ø4.65 [Ø118.11]

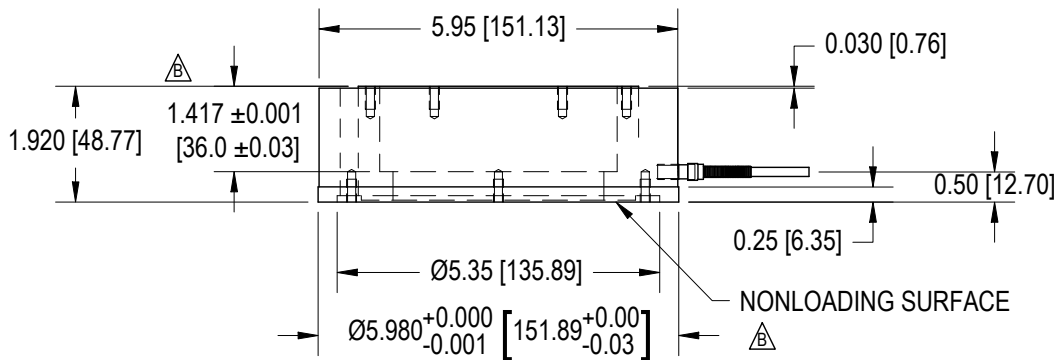
Ø3.50 [Ø88.90]

Ø3.9370^{+0.0025}_{-0.0005} [100.00^{+0.06}_{-0.01}]

+OUTPUT
(COMPRESSION)



LOADING
SURFACE



SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	25000 lbs
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom
NONLINEARITY	±2% of R.O.
HYSTERESIS	±2% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.02% of R.O./°F (0.036% of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (0.036 of LOAD/°C)
COMPENSATED TEMP.	-26 to 126°F (-32 to 52°C)
OPERATING TEMP.	-40 to 185°F (-40 to 85°C)
WEIGHT	approx 7.5 lb
MATERIAL	17-4ph S.S.
CABLE: 24 AWG, 4 Conductor Braided Shielded Teflon Cable, 5 ft [1.5m] long	

MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

- 11-21-07
- 12-3-07
- 12-10-07

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: QLA292

DRAWN BY: R. WALKER

APPROVED BY: —

DWG No.: FO1193

CHECKED BY: J. VARGAS

DATE: Nov 1, 2007