

FUTEK MODEL QLA292 Custom Donut Load Cell (SKF)

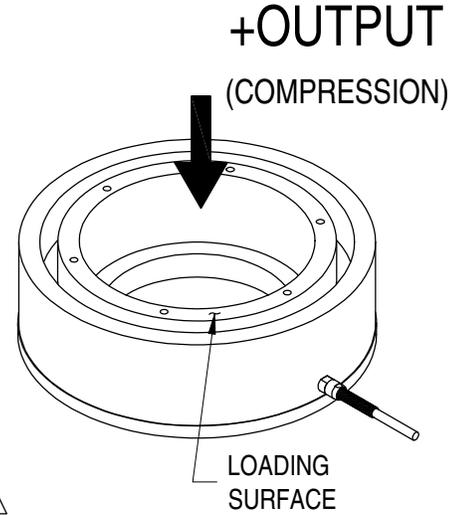
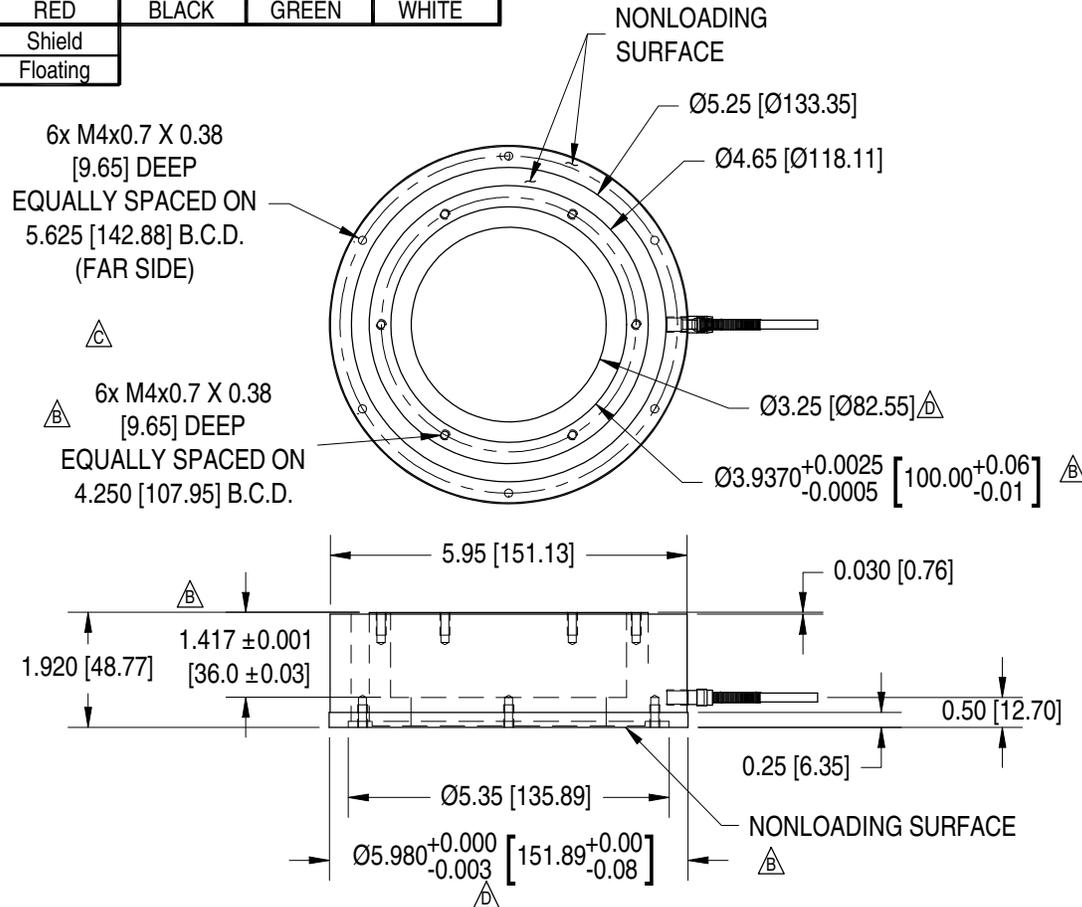
STOCK NUMBER: QSH01203

SUPERSEDES QSH01024-A \triangle

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

WIRING CODE

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



SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	25000 lbs
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	$\pm 3\%$ of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom
NONLINEARITY	$\pm 2\%$ of R.O.
HYSTERESIS	$\pm 2\%$ of R.O.
NONREPEATABILITY	$\pm 0.5\%$ of R.O.
TEMP. SHIFT ZERO	$\pm 0.02\%$ of R.O./ $^{\circ}\text{F}$ (0.036% of R.O./ $^{\circ}\text{C}$)
TEMP. SHIFT SPAN	$\pm 0.02\%$ of LOAD/ $^{\circ}\text{F}$ (0.036 of LOAD/ $^{\circ}\text{C}$)
COMPENSATED TEMP.	-26 to 126 $^{\circ}\text{F}$ (-32 to 52 $^{\circ}\text{C}$)
OPERATING TEMP.	-40 to 185 $^{\circ}\text{F}$ (-40 to 85 $^{\circ}\text{C}$)
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)

- \triangle 11-21-07
- \triangle 12-03-07
- \triangle 12-10-07
- \triangle 09-08-08
- \triangle 02-17-09

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

3rd ANGLE PROJ.



ANGLE:
 $\pm 1/2^{\circ}$

CHAMFER:
 $\pm 5^{\circ}$

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

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CAGE: 1X8M6

MODEL: QLA292

DRAWN BY: R. WALKER

APPROVED BY: —

DWG No.: F01193-E

CHECKED BY: J. VARGAS

DATE: Nov 1, 2007