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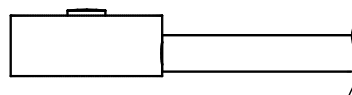
FUTEK MODEL QLA299

STOCK NUMBER: QSH01133

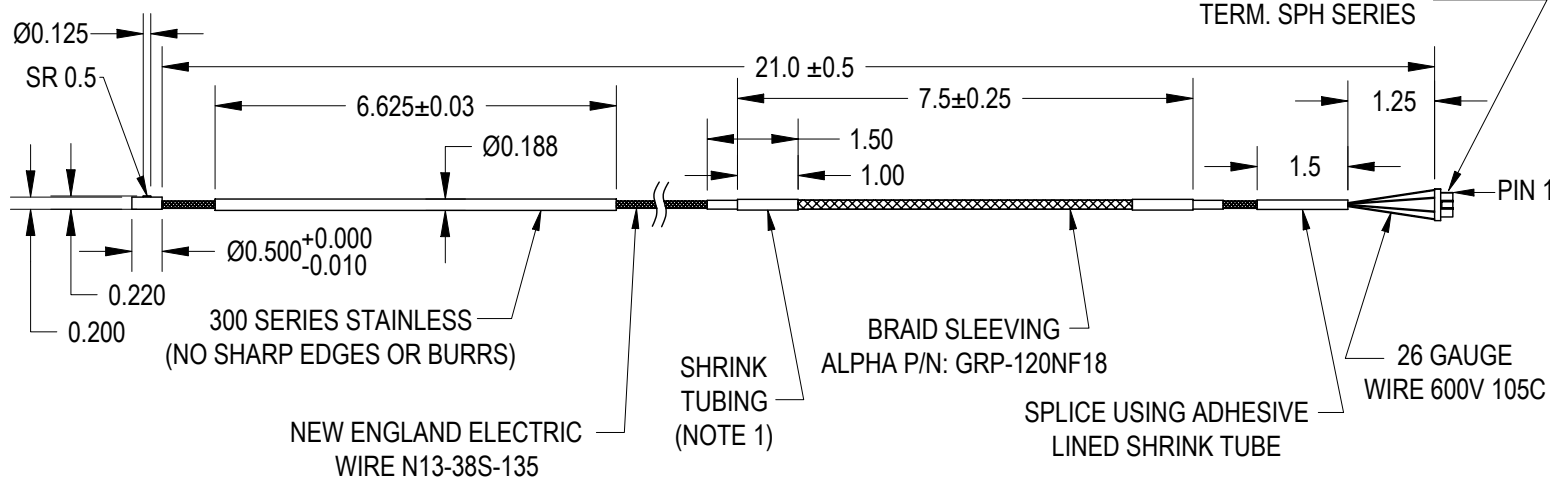
NON-FERROUS LOAD CELL

INCH [mm]		R.O.= Rated Output	
WIRING CODE			
+Exc / PIN 1	-Exc / PIN 2	-Signal / PIN 3	+Signal / PIN 4
RED	BLACK	GREEN	WHITE
Shield / PIN 5			
GRAY	⚠		

+OUTPUT
(COMPRESSION)



CONNECT JST PHR-5
TERM. SPH SERIES



NOTES:

1. THE SHRINK TUBING SIZE SHALL BE SELECTED AND SHRUNK SO THAT THE BRAID SLEEVING ASSEMBLY IS ABLE TO SLIDE ALONG CABLE.
2. ASSEMBLY SHALL BE NON-FERROUS.
3. TERMINALS SHALL ONLY BE CRIMPED BY MANUFACTURER SPECIFIED TOOLS.
4. COMPLETE ASSEMBLY IS RoHS COMPLIANT.
5. SHIELD TO BE GROUNDED TO SENSOR BODY.

SPECIFICATIONS:

RATED OUTPUT	2 mV/V $\pm 10\%$
CAPACITY	250 lbs
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	$\pm 5\%$ of R.O.
EXCITATION (VDC OR VAC)	7 MAX
BRIDGE RESISTANCE	350 Ω nom
NONLINEARITY	$\pm 0.25\%$ of R.O.
TEMP. SHIFT ZERO	$\pm 0.02\%$ of R.O./°F (0.036% of R.O./°C)
COMPENSATED TEMP.	60 to 160°F (16 to 71°C)
OPERATING TEMP.	0 to 160°F (-18 to 71°C)
MATERIAL (FLEXURE)	COPPER ALLOY
CABLE: #30 AWG, 4 Conductor Braided Teflon w/ JST PHR-5 Connector	

MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)

7-28-08

5-19-09

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

- ALL DIMENSIONS ARE IN INCHES
- DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
- SURFACE FINISH $\sqrt{32}$ OR BETTER
- REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
- THREADS PER HANDBOOK H-28
- DIMENSIONS ARE SHOWN AFTER PLATING
- CRITICAL DIMENSION

ANGLE:

$\pm 1/2^\circ$

CHAMFER:

$\pm 5^\circ$

TOLERANCE:

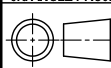
.X ± 0.1 "

.XX ± 0.01 "

.XXX ± 0.005 "

.XXXX ± 0.001 "

3rd ANGLE PROJ.



FUTEK

CAGE: 1X8M6

MODEL: QLA299

DRAWN BY: T.LEE

APPROVED BY: R.WALKER

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DWG No.: F01219-B

CHECKED BY: —

DATE: JULY 15, 2008