

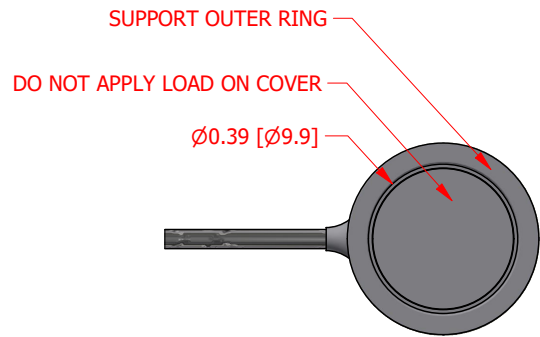
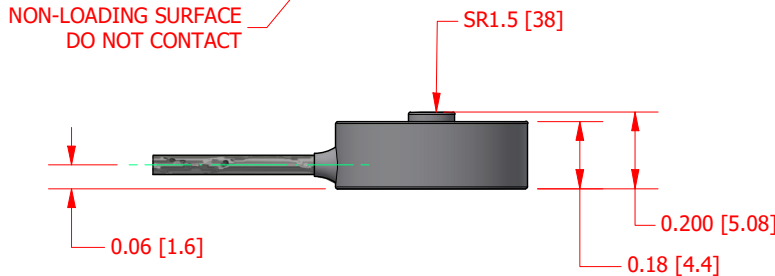
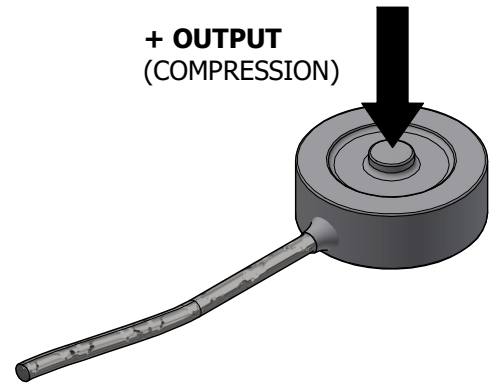
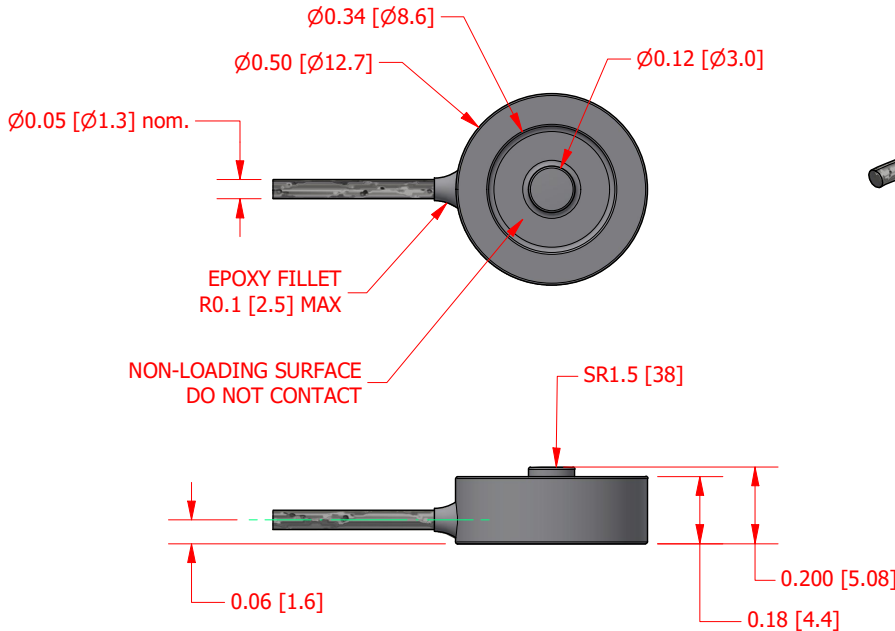
# FUTEK MODEL QLA387

## CUSTOM SUBMINIATURE LOAD BUTTON LOAD CELL

ITEM NUMBER: QSH02344



INCH [mm]		R.O.= Rated Output	
WIRING CODE			
+ Excitation	- Excitation	+ Signal	- Signal
RED	BLACK	GREEN	WHITE
Shield			
TO SENSOR			
BODY			



### SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	500 lb. [2220N]
MAX OVERLOAD	500 lb [2224 N]
ULTIMATE/STRUCTURE OVERLOAD	750 lb [3336 N]
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	7 MAX
BRIDGE RESISTANCE	1000 Ω nom.
NONLINEARITY	±0.5% of R.O.
HYSTERESIS	±0.5% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (±0.018 of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (±0.036 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-60 to 200 °F (-51 to 93 °C)
WEIGHT (approx)	0.01 lb [3.2 g]
MATERIAL	17-4 PH S.S.
DEFLECTION	0.0005 [0.013] nom.
IP RATING	IP64
FATIGUE LIFE	100,000 CYCLES @500lb

CABLE: #34 Awg 4 Conductor Braided Shielded Cable, Teflon Conductors 10 ft [3.05 m] Long

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CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

## OUTLINE DRAWING

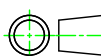
STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES  
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5  
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"



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MODEL: <b>QLA387</b>	DWG No.: <b>F01634-0</b>
DRAWN BY: <i>S. VOSOUGH</i>	CREATED DATE: <i>8/10/2023</i>
APPROVED BY: <i>M. ILLES</i>	APPROVED DATE: <i>8/10/2023</i>
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1