

FUTEK MODEL LSM305

ITEM NUMBER: SEE CHART

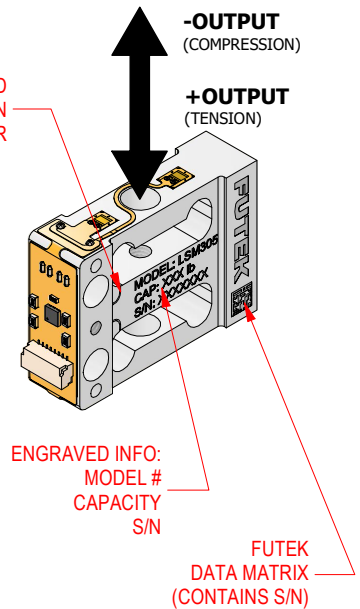
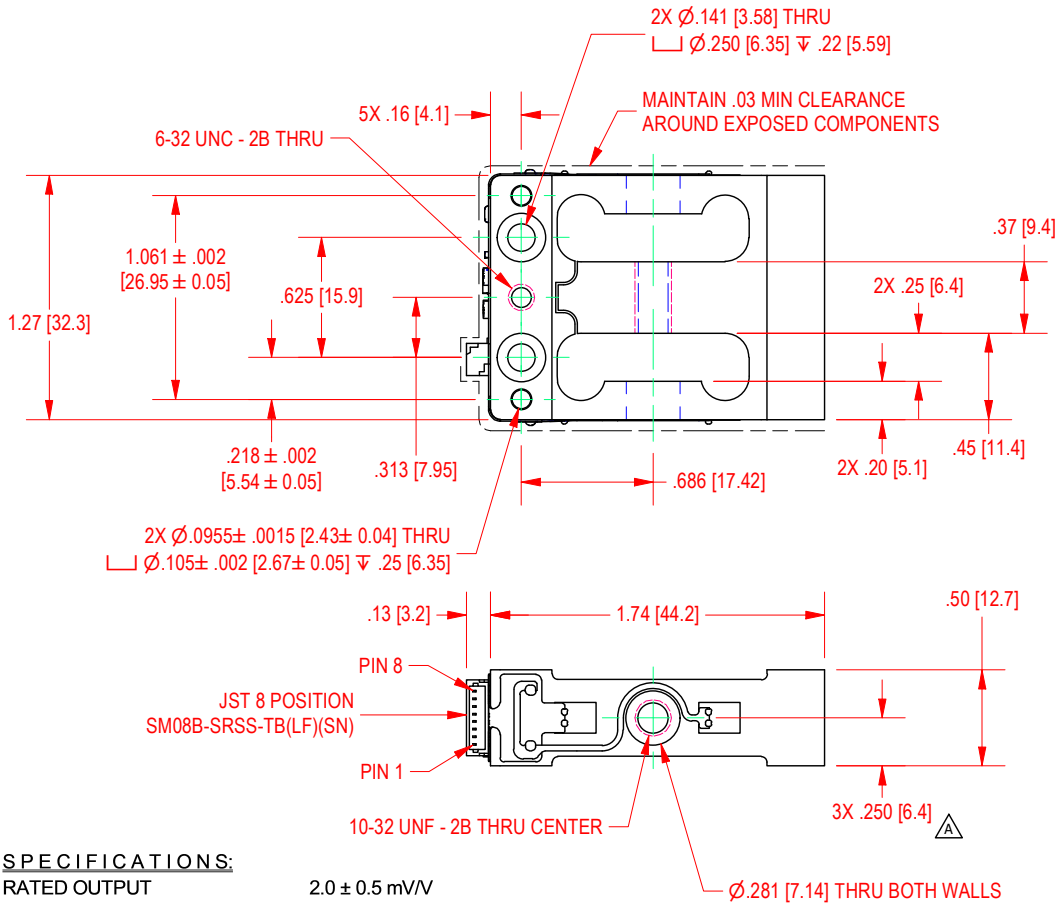
PARALLELOGRAM LOAD CELL W/ OVERLOAD PROTECTION AND SPECIAL MOUNTING PROVISION

RoHS

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

WIRING CODE

+ Excitation	- Excitation	+ Signal	- Signal
PIN 1	PIN 2	PIN 3	PIN 4
TEDS D	RTD 1	TEDS R	RTD 2
PIN 5	PIN 6	PIN 7	PIN 8



SPECIFICATIONS:

RATED OUTPUT	2.0 ± 0.5 mV/V
CAPACITY	SEE CHART
SAFE OVERLOAD	250 lb.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	1000 Ω nom.
NONLINEARITY	±0.02% of R.O.
HYSTERESIS	±0.02% of R.O.
NONREPEATABILITY	±0.02% of R.O.
CREEP	±0.025% of LOAD
TEMP. SHIFT ZERO	±0.005% of R.O./°F (±0.009 of R.O./°C)
TEMP. SHIFT SPAN	±0.005% of LOAD/°F (±0.009 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-13 to 185 °F (-25 to 85 °C) △
WEIGHT (approx)	0.06 lb [28.6 g]
MATERIAL	ALUMINUM
CONNECTOR: 8 position JST Connector SM08B-SRSS-TB(LF)(SN)	
TEDS	IEEE1451.4 Template 33
RTD Sensor	Compliant to DIN EN 60751 Class F0.3 (B)
RoHS COMPLIANCE	2011/65/EU with 2015/863

ITEM #	CAPACITY lb [N]
QSH02359	50 [222]
QSH02360	100 [445]

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CUSTOMER APPROVAL - COMPANY:

OUTLINE DRAWING

CUSTOMER APPROVAL - NAME / DATE:

UNLESS OTHERWISE SPECIFIED:

- ALL DIMS ARE IN INCHES [mm]
- DIMS IN [] ARE FOR REFERENCE ONLY
- R.O. = RATED OUTPUT
- INTERPRET DIMS PER ASME Y14.5-2018
- THREADS TO BE MADE PER ASME B1.1-2003 AND B1.13M-2005
- TAPERED THREADS PER ASME B1.20.1-2013

TOLERANCES:

XX ± .01
XXX ± .005
XXXX ± .0010

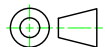
ANGLES:

± 0.5°
CHAMFER:
± 5°

SURFACE:

63
OR BETTER

3rd ANGLE PROJ:



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MODEL: LSM305	DWG No: FO1655	REV: A
DRAWN BY: S. MICHEL	CREATED: 3/27/2024	APPROVALS: SEE PLM
CHECKED BY:	CAGE: 1X8M6	SHEET: 1 OF 1