

FUTEK MODEL FBB350

PLANAR BEAM FORCE SENSOR (OEM)

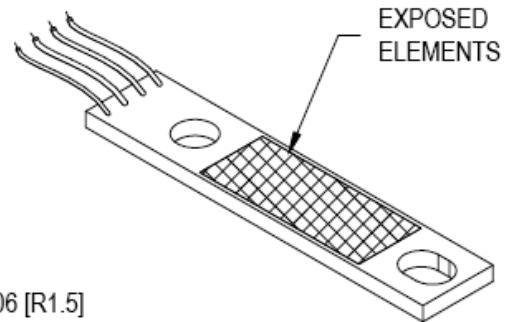
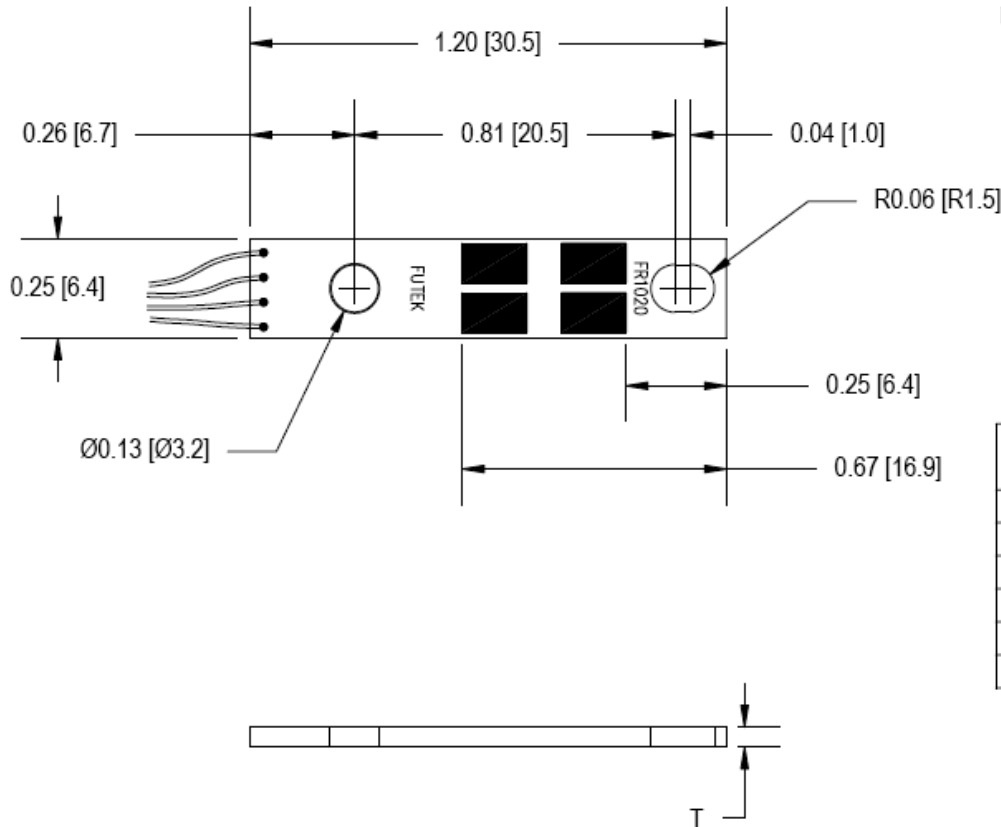
(Previously FR1020)

Drawing Number: FI1115

INCH [mm] R.O.= Rated Output

WIRING CODE (WC1)

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



**+OUTPUT
(TENSION)**

STK#	CAPACITY		T
	lb	N	
FSH01458	1 oz	0.28	0.003 [0.076]
FSH01459	1/4	1.1	0.006 [0.15]
FSH01460	1/2	2.2	0.009 [0.23]
FSH01461	1	4.5	0.010 [0.28]
FSH01462	2	8.9	0.015 [0.39]
FSH01463	20	89	0.050 [1.27]

AVAILABLE MOUNTING KIT
FOR MORE INFORMATION SEE DWG FI1116

SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	1200 ± 300 Ω
INSULATION RESISTANCE	1000 M ohms @ 50 vdc
COMBINED ERROR	±0.25% of R.O. } ACTUAL LEVEL OF ACCURACY
NONREPEATABILITY	±0.05% of R.O. } DEPENDS ON CLAMPING METHOD.
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.	60 to 160°F [15 to 72°C]
OPERATING TEMP.	-60 to 200°F [-50 to 93°C]
MATERIAL	BeCu (1 oz to 1/2 lb) 300 SERIES S.S. (1 to 20 lb)
WEIGHT	0.35 oz [10 g]
DEFLECTION	0.005 to 0.015 [0.13 to 0.38] nom.

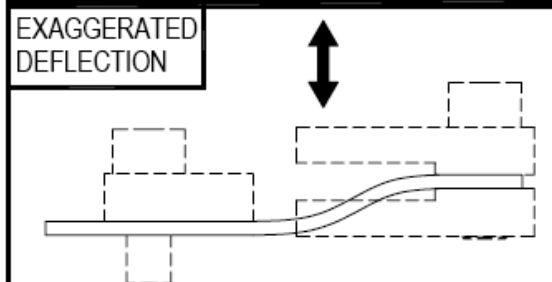
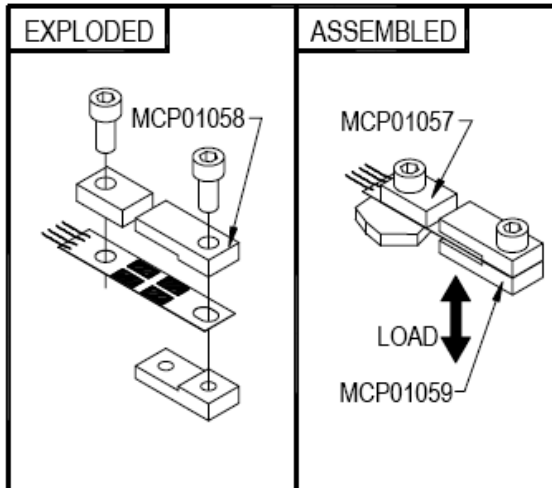
CABLE: (STD) #29 AWG, 4 Conductor, Spiral Shielded Silicone Cable 1 ft [0.3 m] Long

ACCESORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (AVAILABLE) 5 pt. TENSION, COMPRESSION; 150K Ω SHUNT CAL. VALUE

CALIBRATION TEST EXCITATION 10 VDC

NOTE: FR1020 W/ OPTIONAL 2" CABLE ARE SOLD 5 SENSORS PER. PACKAGE



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