

FUTEK MODEL CSG110

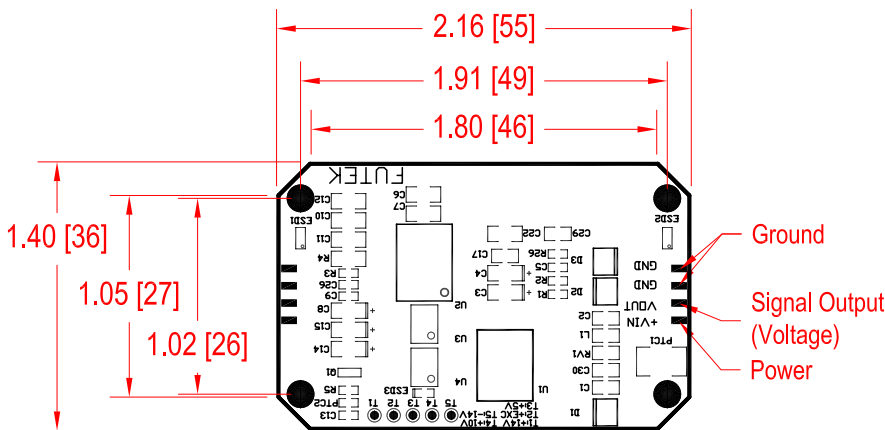
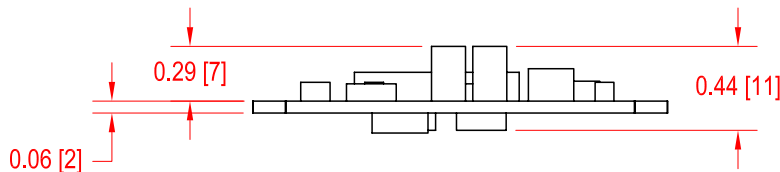
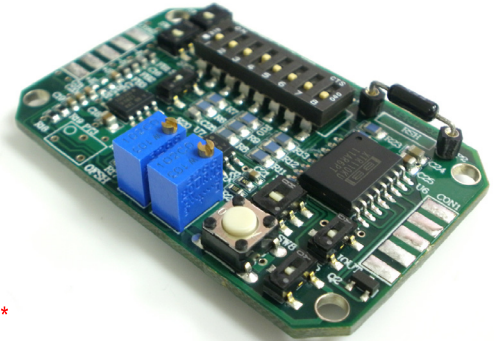
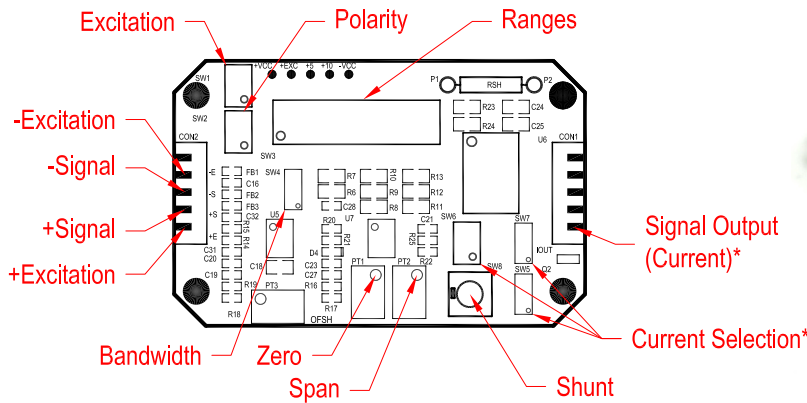
ITEM # SEE CHART

GENERAL PURPOSE OEM AMPLIFIER MODULE

DC POWERED, UNIVERSAL STRAIN GAGE SIGNAL CONDITIONER

Drawing Number: FI1327-A

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



*Only Available For FSH01447

Features

- Bipolar Output, Differential Input
- ± 5 or ± 10 VDC DIP Switch Selectable Outputs
- 0-20 mA, 4-20 mA, 0-16 mA, 5-25 mA DIP Switch Selectable Outputs
- Bridge Excitation 5 or 10 VDC
- Ranges: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 10.0 mV/V (DIP Switch)
- Interchangeable Socket Mounted 60.4K Ω Shunt Cal
- Externally Accessible Shunt Cal Activation Button
- Internal Span and Offset Adjust Resistor Locations
- Sensor Polarity Reversal DIP Switch

Electrical Specifications

Parameter	Min	Typ	Max	Unit
Power Supply	14 ⁽¹⁾		26	VDC
Current Dissipation ⁽²⁾		30		mA
Output Impedance (voltage)	1000			Ohms
Output Impedance (current)			500	Ohms
Sensor Impedance	100			Ohms
Bandwidth	1000		25000	Hz
Common Mode Rejection Ratio	120			dB
Noise		10		mV p-p
Output Span Range	-10		10	% of RO
Output Zero Range	-10		10	% of RO
Gain Drift With Temperature	-25	x	25	PPM of FSR
Gain Non-Linearity	-0.001	x	0.001	% of FSR
Zero Drift With Temperature	-25	x	25	PPM of FSR

(1) For FSH01450: Min. Power Supply is 12.5 VDC
 (2) No Load Applied (Input or Output)

Environment

Parameter	Min	Typ	Max	Unit
Operating Temperature	32		158	°F
	0		70	°C
Storage Temperature	-40		185	°F
	-40		85	°C
Relative Humidity: 95% at 100 °F [39 °C]				
IP Rating IP31				

Notes

1. Adjusting Zero Will Not Affect Calibration.
2. Adjusting Span Will Affect Calibration.
3. Power Supply Must Source 150mA Minimum.

Versions

Item #	Bandwidth	Output
FSH01447	1 kHz	+/-5 VDC, +/-10 VDC, 0-20 mA, 4-20 mA, 0-16 mA, 5-25 mA
FSH01450	1 kHz	+/-5 VDC, +/-10 VDC



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