

Applications:

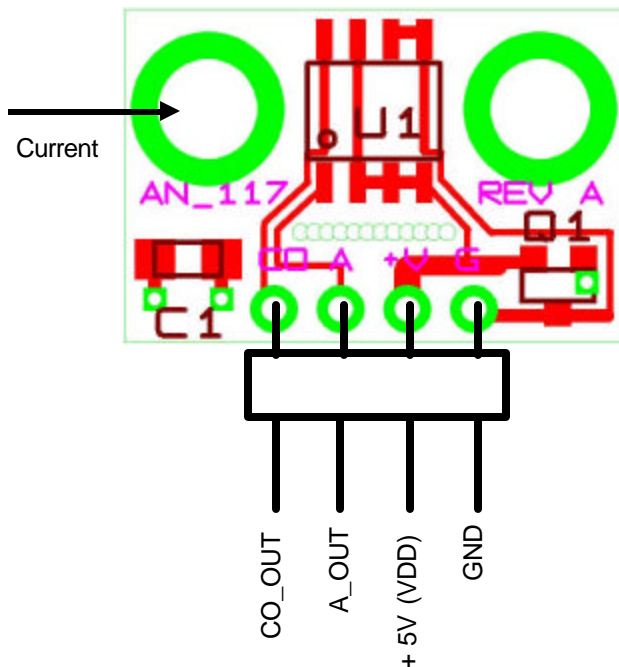
High current sensing. (Up to 40 Amps RMS and 100 amps peak for < 1 sec).

Assembly and operation:

High current circuit can be attached to the PCB via terminal lugs and #6 screws and nuts. A connector is used to interface with the sensor. The output voltage can be measured between A-OUT1 and CO-OUT1 for a differential output or between A-OUT1 and GND for single ended output. Current in the direction shown, will produce a positive going output. Current in the opposite direction will produce a negative going output. AC current will produce an AC analog output. Output sensitivity is approximately 15 mV/amp without the concentrator and 30mV/amp with the optional concentrator.

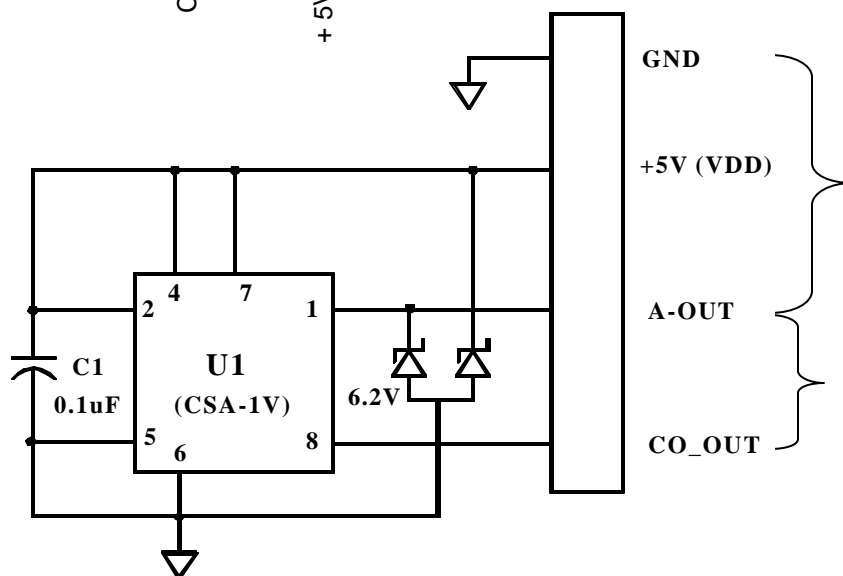
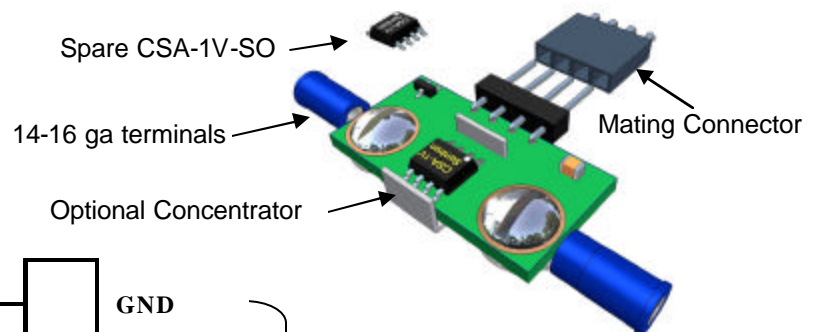
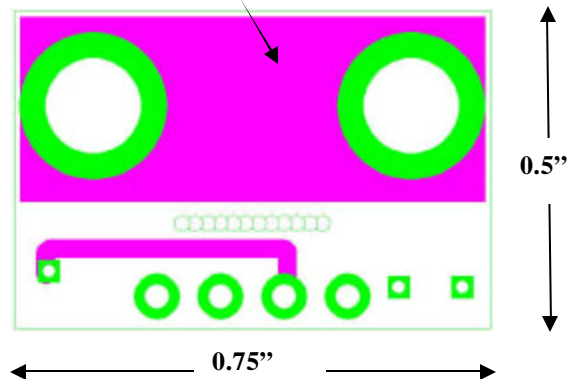
Notes: 1) See application note AN_102 for current sensing applications (www.gmw.com)

Top View



Bottom View

(This pattern repeated on layers 2 & 3 for a total of 3 parallel circuits.)



Single Ended Output

Full scale output
 2.5 V +/- 2.5Volts

Differential Output

Full scale output
 0 V +/- 2.5Volts