

Applications:

Low current, high stray field immunity sensing - 0 to 2 amp, Peak current 5 amps for < 1 sec.

Operation:

Output voltage can be measured between A1OUT and A2OUT for a differential output. Current in the direction shown, will produce a positive going output. The output voltage can be as high as +/- 5volts because of the differential output Current in the opposite direction will produce a negative going output. AC current will produce an AC analog output. The output sensitivity level (mV/amp) is approximately 460mV/amp. Because the two IC's see the same external fields, the resulting differential voltage is canceled out. Supply voltage, VDD, and outputs are protected with 6.2 volt zeners.

