



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

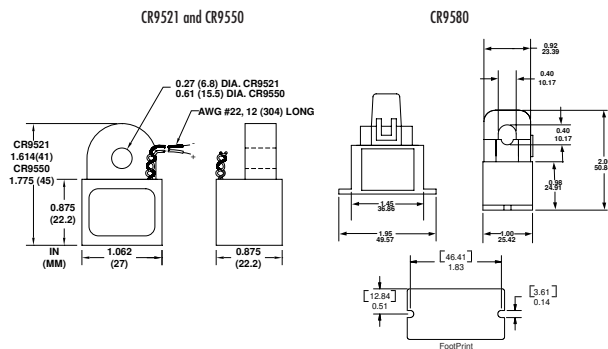
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## OUTLINE DRAWING



PART NUMBER	
Part Number	AC Current Range
CR9521-10	10
CR9521-20	20
CR9521-50	50
CR9550-10	10
CR9550-20	20
CR9550-50	50
CR9580-10	10
CR9580-20	20
CR9580-50	50
CR9550-10-M	10
CR9550-20-M	20
CR9550-50-M	50
CR9580-10-M	10
CR9580-20-M	20
CR9580-50-M	50

The **CR9500** Series Current Sensors provides a cost effective method for monitoring electrical current. The sensor generates a 0-5 VDC signal proportional to the input AC current. The output signal is average sensing, calibrated to RMS.

The sensor is used with process control and industrial instrumentation equipment. Especially suited for OEM applications that require a low cost solution for numerous monitoring locations.

The DC output can be connected directly to an analog input connection without additional signal conditioning. Care must be taken to ensure the burden impedance of the instrumentation is greater than 1.0 megohm. The unit will operate with lower burden impedance but at reduced accuracy.

### Applications

- OEM Current Sensing
- Home Automation
- Monitor Motor Operation

### Features

- Low Cost
- Low Fixed Trip Point
- Fully Isolated, Reverse Polarity Protected
- Self-Powered
- Available in Mountable Package
- Output Overload Protected

### Specifications

- Accuracy:  $\pm 0.5\%$  Full Scale (FS)
- Ripple: 1% Max
- Signal Out: 0-5 VDC
- Max. Signal Out: 12 VDC
- Frequency \* : 50 to 400 Hz
- Insulation Class: 600 V
- Operating Temperature: -30 C to + 60 C
- Storage Temperature: -55 C to + 85 C
- Shipping Weight: 2 oz. (.06 Kg.)
- Dielectric Withstand: 2,500 Vrms
- Response Time: 250 ms. max. 10-90% FS
- Calibration: Avg. Sensing, RMS Calibrated
- Output Load: 1.0 Megohm or greater for rated accuracy
- Weight 0.11 LBS.
- \* All specifications for operation at 60 Hz

### Regulatory Agencies

