



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



Grove - mini PIR motion sensor

SKU 101020353



Description

PIR sensor is used for making motion detecting applications such as alarm burglar systems, visitor presence monitoring, light switches and robots. The Grove – mini PIR motion sensor is a compact, low power consumption and cost effective PIR sensor which is suitable for applications with relatively less detection distance requirement.

The detection distance in the datasheet is up to 3m to 5m, however 2m is the best detection distance that we recommend and 25°C is the most suitable temperature.

The sensitivity of the sensor is adjustable, there is reserved pin out on the back of the board so that you can solder a slide rheostat to adjust the sensitivity. If you think the sensitivity is not enough, here is a trick, drag the plastic cap a little up will help enhance the sensitivity.

Note:

Please note that the orientation can influence the sensitivity, for more accurate detection, please place the sensor as the picture below.



Features:

- Low power consumption
- Sensitivity adjustable
- Grove interface

Technical Details

Dimensions	20mm x 20mm x 12mm
Weight	G.W 4g
Battery	Exclude

Sensor chip	S16-L221D
Supply Voltage	2.7 – 3.3V
Working Current	12 – 20 μ A
Sensitivity	120 – 530 μ V
Max detecting range	2m(25°C)

Part List

Grove - mini PIR motion sensor	1
--------------------------------	---