



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!



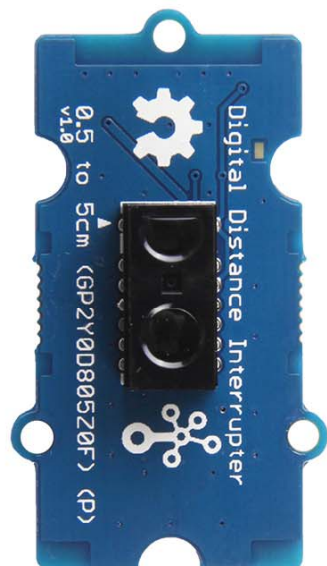
Contact us

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 - Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F)(P)

SKU 101020578

Grove - Digital Distance Interrupter 0.5 to 5cm is an infrared proximity sensor module based on GP2Y0D805Z0F. Normally the output of this sensor is 1(High), when the object enters the measurement range of the sensor, it will be triggered and output a 0(LOW).At the same time the on-board LED will light up. As the name suggests, the measurement range is from 0.5cm to 5cm.

There are two types of Grove - Digital Distance Interrupter 0.5 to 5cm: Grove - Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F) and Grove - Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F)(P). For the version without letter P, the lens and the grove interface are at the same side; for the version with letter P, the lens and the grove interface are at the different sides. As you can see, this module is the 'P' version, if you want the lens and the grove interface at the same side, please click the [Grove - Digital Distance Interrupter 0.5 to 5cm\(GP2Y0D805Z0F\)](#)

GP2Y0D805Z0F is a distance measuring sensor unit, composed of an integrated combination of PD(photo diode) , IRED (infrared emitting diode) and signal processing circuit. The variety of the reflectivity of the object, the environmental temperature and the operating duration are not influenced easily to the distance detection because of adopting the triangulation method.

Features

- Easy to use
- Integrated indicator LED
- Digital output
- High anti-interference

Applications

- Touch-less switch (Sanitary equipment, Control of illumination, etc.)
- Robot cleaner

Technical Details

Dimensions	40mm x 20mm x 11mm
Weight	G.W 9.70g N.W 3.80g
Battery	Exclude
Trigger Range	0.5cm - 5cm
Working voltage	3.3V/5V
Operating temperature	-10°C -- 60°C

Part List

Grove - Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F)(P)	1
Grove cable	1

ECCN/HTS

ECCN	EAR99
HSCODE	9031900090

