

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







55505 Flange Mount Hall Effect Geartooth Sensor



Features

- Ferrous target sensing
- Internal circuit protection
- Protection against severe and automotive environments
- · Self adjusting magnetic range
- Automotive grade circuit protection
- High speed operation
- Short circuit and reverse voltage protection
- On board 10 bit A/D convertor

Benefits

- No chopper delay
- Rotational alignment to target not critical
- Immune to target run out

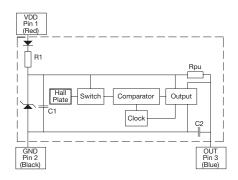
Applications

- Wheel, transmission and camshaft speed sensing
- · Gear tooth sensor
- · Rotary encoders
- Industrial
- Commercial
- Automotive

DIMENSIONS (in) mm

(1.630) 41,40 (1.250) 31,75 (.236) 6,00 (.197) 5,00 Table 1 +/-(.393) 10,00 (.250) 6,35 Nom (.250) 6,35 Nom

BLOCK DIAGRAM

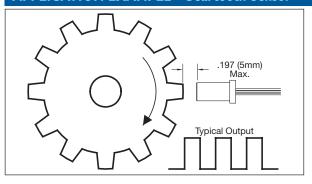


SPECIFICATIONS

SPECIFICATIONS				
Hall Type			Digital Switch 3 Wire (Voltage Output)	
Supply Voltage	Operate	Vdc	4.75 to 25.2	
Supply Voltage	Overvoltage Protection	Vdc-max.	27	
Supply Voltage	Reverse Voltage Protection	Vdc-max.	-25	
Output High Voltage		Vdc	VDD -2 (sinking output with internal pull-up)	
Output Low Voltage		Vdc-max.	0.6 @ 25mA	
Output Current (continuously on)		mA-max.	20	
Current Consumption		mA-max.		
Current Consumption		mA-max.	10.5	
Switching Speed		kHz-max.	15	
Temperature	Operating	°C	-40 to +125	
Temperature	Storage	°C	-65 to + 125	

TABLE I

APPLICATION EXAMPLE - Geartooth Sensor

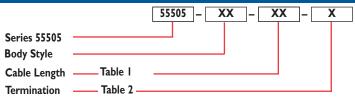


CUSTOMER OPTIONS - Cable Length and Termination

(CABLE 20 A	Cable Length:- (CABLE 20 AWG, XLPE Type TXL per SAE J-1128)			
SELECT OPTION	LENGTH mm			
01	(3,94) 100			
02	(11,81) 300			
03	(19,69) 500			
04	(29,53) 750			
05	(39,37) 1000			

TABLE 2					
Termination Options:-					
SELECT OPTION	DESCRIPTION				
А	Tinned leads				
В	Deutsch DTM04-3P				
С	Molex MX 150				

ORDERING INFORMATION



Body Styles 00 - Standard body 01 - With O ring

 Hamlin USA
 Tel: + 1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales.us@hamlin.com

 Hamlin UK
 Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: sales.uk@hamlin.com

 Hamlin Germany
 Tel: +49 (0) 6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com

Hamlin Germany Tel: +49 (0) 6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com

Hamectrol France Tel: +33 (0) | 4687 0202 • Fax: +33 (0) | 4686 6786 • Email: sales.fr@hamlin.com

INFORMATION PROVIDED ON THIS DATA SHEET IS PROVIDED FOR INFORMATION PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS BEING ACCURATE FOR ANY PARTICULAR PURPOSE. Product performance may be affected by the application to which the product is applied. Upon request, HAMLIN will assist purchasers by providing information specific to any particular application. HAMLIN disclaims any and all liability whatsoever for any purchaser's reliance upon the information contained on this data sheet without further consultation with authorised representatives of HAMLIN.

