

## 55505 Hall Effect Flange Mount 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

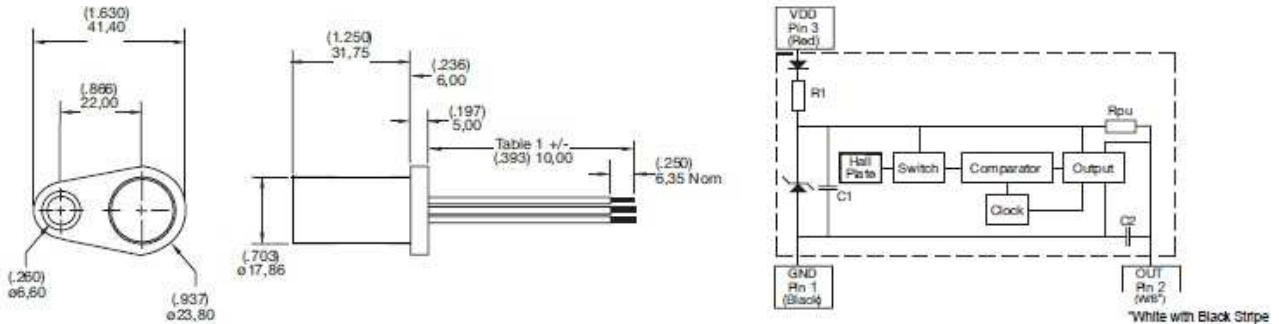
### Benefits

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

### Benefits

- Wheel, transmission and camshaft speed sensing
- Geartooth sensor
- Rotary encoders
- Industrial
- Commercial
- Automotive

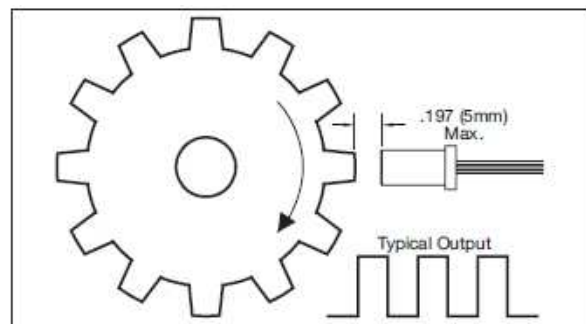
## DIMENSIONS (in) mm



## SPECIFICATIONS

Hall Type		Digital Switch 3 Wire (Voltage Output)	
Supply Voltage	Operate	Vdc	4.75 to 24
Supply Voltage	Overvoltage Protection	Vdc - max.	27
Supply Voltage	Reverse Voltage Protection	Vdc - max.	-25
Output High Voltage		Vdc	VDD -2 (-2 sinking output with internal pull-up)
Output Low Voltage		Vdc - max.	0.6 @ 20mA
Output Current (continuously on)		mA - max.	20
Current Consumption		mA - max.	1
Current Consumption		mA - max.	10.5
Switching Speed		kHz - max.	15
Temperature	Operate	°C	-40 to +125
Temperature	Storage	°C	-65 to +125

## APPLICATION EXAMPLE - Geartooth Sensor



## CUSTOMER OPTIONS - Cable Length and Termination

TABLE 1		TABLE 2	
Cable Length:- (Cable Type 20AWG Type TXL per SAE J-1128)		Termination Options:-	
SELECT OPTION	CABLE LENGTH (in) mm	SELECT OPTION	DESCRIPTION
Standard Lengths		A	Tinned Leads
01	(3.94) 100	B	Deutsch DTM04-3P
02	(11.81) 300	C	Molex MX 150
03	(19.69) 500		
04	(29.53) 750		
05	(39.37) 1000		

## ORDERING INFORMATION

