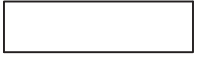
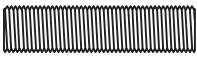





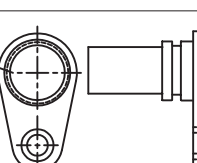



CASE TYPES	DESCRIPTION	A
	SMOOTH	0
	ALL THREAD	1
	HEX HEAD	2
	KNURL HEAD	3
	CONNECTOR HEAD	4
	WRENCH FLAT HEAD	5
	SMOOTH / THREAD	6
	WITH FLANGE	7

Target: Ferrous Material Gear Tooth with range of Min 4 to 32 Gear Pitch.

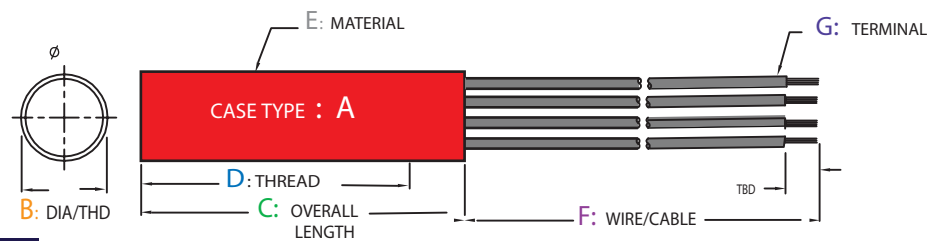
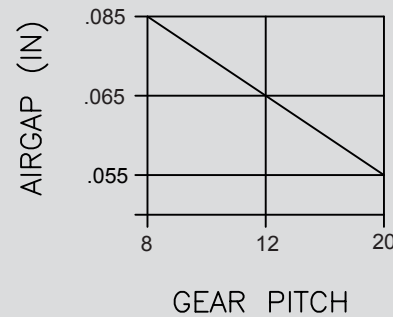
$$P = \frac{N + 2}{OD}$$

P = Gear Pitch  
N = Num. of Teeth  
OD = Outside Diameter

Frequency: 15 kHz Max

Output Type: Digital (Square wave), TT compatible 

Airgap vs. Gear Pitch Graph



## PROTECTIONS

**Supply overvoltage:** 40 VDC  
**Reverse polarity:** -50 V reverse transient.  
**Load Dump:** 60 V

## STANDARD PRODUCT LIST

Product P/N	MECHANICAL SPECIFICATIONS							ELECTRICAL SPECIFICATIONS						ENVIRONMENT	
	A	B	C	D	E	F	G	INPUT Voltage (VDC)	INPUT Current (mA)	V Out High (VDC)	V Out Low (VDC)	OUTPUT Current (mA)	PULL-UP Resistor (K Ohm)	TEMPRETURE RANGE ° C	
<b>5/8" Diameter Series</b>															
HD160-400	1	5/8-18	2.50	2.50	303 S.S	12±1	4 C, 22 AWG,Tef. Cbl	5.0 To 18	15	V input	0.4	20 Sink	4.70	-40 To 125	
HD360-400	3	5/8-18	2.72	2.14	303 S.S	36±3	4 C, 22 AWG,Tef. Cbl	5.5 To 36	15	5.0	0.6	20 Sink	4.70	-40 To 125	
HD460-000	4	5/8-18	3.00	2.14	303 S.S	0	4 Pin Connector, M12x1	5.0 To 24	15	V input	0.6	20 Sink	4.70	-40 To 85	
<b>3/4" Diameter Series</b>															
HD070-400	0	3/4	2.00	2.00	303 S.S	36±3	4 C, 22 AWG,Tef. Cbl	5.0 To 18	15	V input	0.6	20 Sink	4.70	-25 To 100	
HD270-400	2	3/4-16	2.30	1.87	ALUM	72±3	4 C, 22 AWG,Tef. Cbl	5.5 To 36	15	5.0	0.6	20 Sink	4.70	-40 To 125	
<b>M18" Diameter Series</b>															
HD518-400	5	M18x1.5	2.14	1.89	303 S.S	120±3	4 C, 22 AWG,Tef. Cbl	5.5 To 36	15	5.0	0.6	20 Sink	4.70	-40 To 125	
HD518-410	5	M18x1.5	2.14	1.89	303 S.S	24±1.0	4 C, 22 AWG,Tef. Cbl	5.0 To 18	15	V input	0.6	20 Sink	4.70	-40 To 125	
* HD218-400	2	M18x1.5	2.80	2.05	303 S.S	31.5±0.5	4 C, 22 AWG,Tef. Cbl	5.5 To 40	15	5.0	0.6	50 Sink	4.70	-40 To 125	
* HD218-410	2	M18x1.5	2.36	2.05	303 S.S	31.5±0.5	4 C, 22 AWG,Tef. Cbl	5.5 To 40	15	5.0	0.6	50 Sink	4.70	-40 To 125	

NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED  
 \* SEALED FRONT