



MAGNETIC SENSORS CORPORATION
Measuring the Rate of Progress Since 1983

Hall Effect Speed Sensors

Hall Effect Speed Sensor
Part Number: 427038-20

Description:

- Near zero speed sensing
- Digital output
- Supply Voltage from 4.5 - 24Vdc
- Operating Temp -40°C to + 125°C
- Customized versions available
- Adapts to various configurations

Applications:

- Engine Management
- Electromotive Valve Actuator
- Hydraulic Motors
- Turbines
- Diesel Engine
- APU



| SENSOR SPECIFICATIONS | | | | TEST SPECIFICATIONS | |
|-----------------------|------------------|----------------------|-----------------------------|---------------------|------------------------|
| INPUT VOLTAGE | 5±.1 VDC | HOUSING MATERIAL | 303 S.S. | OUTPUT DUTY CYCLE | 20% - 80% |
| INPUT CURRENT | 12 mA MAX | DIELECTRIC STRENGTH | 150 VRMS | SURFACE SPEED | 0-12000 TEETH / SECOND |
| OUTPUT CURRENT, Isink | SEE SCHEMATIC | WIRE | 18 AWG | TEST WHEEL | SEE GRAPH |
| OPERATING TEMPERATURE | -25° C to 125° C | MOUNTING THREAD SIZE | 5/8-18 UNF 2A | AIR GAP | SEE GRAPH |
| OUTPUT SIGNAL | 2.26V - 3.52V | CONNECTOR | DEUTCH CONNECTOR: DT04 - 3P | OVERALL LENGTH | 4.00 ± .03 in |

