This sensor outputs a DC voltage proportional to the rate of turn. It is a solid state MEMs single axis angular rate sensor, used to measure the rate of turn in units of degrees per second. It is designed to withstand vibration and shock, and exceeds the capabilities of normal mechanical gyro-based sensors. Unlike accelerometers, this sensor is independent of chassis vibration and has a faster response time.

### Specifications:

- **Output**: 0 - 5v ratiometric
- **Supply Voltage**: 5.00 ±0.25 VDC
- **Current Consumption**: typical 35mA, max 50mA
- **Rate Range**: ±100°/s (±200°/s available)
- **G sensitivity**: less than ±0.1°/s/g
- **Drift vs Time**: less than ±0.55°/s in 30s
- **Temp Variation**: less than ±3%
- **Non Linearity**: less than 0.5% full scale
- **Temperature Range**: -20°C to +85°C
- **Humidity**: 5% – 95%
- **Weight**: 38 grams w/o connector

### Calibration:

- **Rate Range**: ±100°/s (±200°/s available)
- **Scale Factor**: 20mV/°/s (10mV/°/s available)

### Mounting Notes:

- Lead length is 6" long. Use Velcro for mounting. Location in vehicle does not matter.

### Connection:

- **Mating Connector**: DTM06-03P
- **Part # M DTM 3P**: optional Autosport:
  - pin 1 – 0 volts
  - pin 2 – signal
  - pin 3 – 5 volts
  - pin 4 – n/c
  - pin 5 – 5 volts