

- Accurate 6 DOF DC measurement
- Proven and robust silicon MEMS vibrating ring gyro
- High shock and vibration rejectio
- Class-leading bias and noise over temperature
- Low cost – high resolution



- Automotive in-car navigation
- Vehicle and personal navigation aiding
- Vehicle yaw, pitch and roll rate sensing
- Antenna stabilisation
- Motion control
- Railway engineering

GYROSCOPES

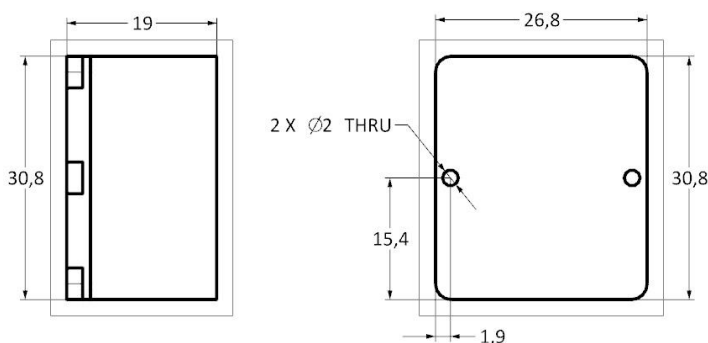
| Full-scale angular velocity | (°/s) | ± 75 | ± 150 | ± 300 | ± 900 |
|------------------------------|-----------|-------|-------|-------|-------|
| Frequency range | (Hz) | 0-150 | 0-150 | 0-150 | 0-150 |
| Non-linearity (full scale) | (%) | 0.06 | 0.06 | 0.06 | 0.06 |
| Noise (in band) | (°/s/√Hz) | 0.018 | 0.018 | 0.018 | 0.018 |
| Scale factor (nominal) | (V/°/s) | 0.012 | 0.006 | 0.003 | 0.001 |
| Scale factor var. over temp. | (%) | 0.5 | 0.5 | 0.5 | 0.5 |
| Bias variation with temp. | (°/s) | ± 1 | ± 2 | ± 3 | ± 4 |

ACCELEROMETERS

| Full-scale acceleration | (g) | ± 2 | ± 4 | ± 8 | ± 10 | ± 20 | ± 40 | ± 50 | ± 100 | ± 200 | ± 500 |
|----------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency range (±3dB) | (Hz) | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 3,000 | 3,000 | 3,000 | 3,000 |
| Non-linearity (full scale) | (%) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Noise (in band) | (μg/√Hz) | 20 | 40 | 80 | 80 | 160 | 320 | 25 | 30 | 45 | 125 |
| Scale factor (nominal) | (mV/g) | 400 | 200 | 100 | 80 | 40 | 20 | 40 | 20 | 10 | 4 |

* Any combination of gyroscopes and accelerometers is possible.

Technical Drawing



- Custom Cable Length
- Custom Housing Material
- Custom Connector

Weight: 27.5 g (aluminum)
69.5 g (steel)