

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

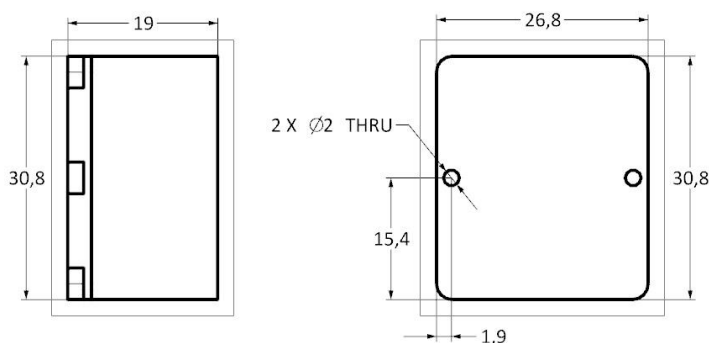
Full-scale angular velocity	(°/s)	± 75	± 150	± 300	± 900
Frequency range	(Hz)	0-150	0-150	0-150	0-150
Non-linearity (full scale)	(%)	0.06	0.06	0.06	0.06
Noise (in band)	(°/s/√Hz)	0.018	0.018	0.018	0.018
Scale factor (nominal)	(V/°/s)	0.012	0.006	0.003	0.001
Scale factor var. over temp.	(%)	0.5	0.5	0.5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

ACCELEROMETERS

Full-scale acceleration	(g)	± 2	± 5	± 10	± 30	± 50	± 100	± 200
Frequency range (±5%)	(Hz)	150	150	300	600	750	750	1,000
Non-linearity (full scale)	(%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Noise (in band)	(μg/√Hz)	7	17	34	102	170	339	678
Scale factor (nominal)	(mV/g)	1,350	540	270	90	54	27	13.5
Scale factor temp. coeff.	(ppm/°C)	120	120	120	120	120	120	120
Bias temperature coeff.	(mg/°C)	± 0.2	± 0.5	± 1	± 3	± 5	± 10	± 20

* 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)