

- Proven and robust silicon MEMS vibrating ring gyro
- High shock and vibration rejection
- Class-leading bias and noise over temperature
- Low noise – high resolution

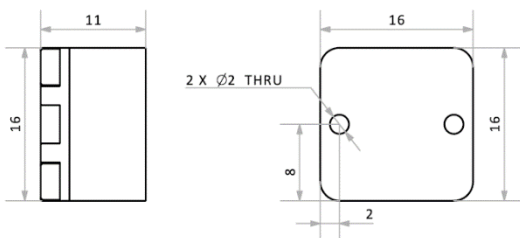


- Automotive in-car navigation
- GPS vehicle and personal navigation aiding
- Vehicle yaw, pitch and roll rate sensing
- Antenna stabilization
- Motion control

Uniaxial Gyroscopes

		DYN-G-6075	DYN-G-6150	DYN-G-6300	DYN-G-6900
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
Shock survivability	(g)	10,000	10,000	10,000	10,000
Protection level		IP 68			
Operating Voltage	(VDC)	5V – 20V			
Operating Temperature	(°C)	-40 to +100			
Weight (without cable)		7 g (aluminum) 17 g (steel)			
Housing Material		Aluminum or Steel			

Technical Drawing:



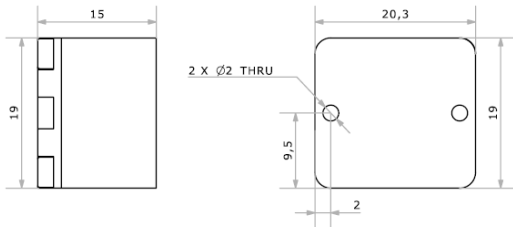
Options:

- Custom Cable Length
- Custom Housing Material
- Custom Connector

Triaxial Gyroscopes

		DYN-G-7075	DYN-G-7150	DYN-G-7300	DYN-G-7900
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
Shock survivability	(g)	10,000	10,000	10,000	10,000
Protection level		IP 68			
Operating Voltage	(VDC)	5V – 20V			
Operating Temperature	(°C)	-40 to +100			
Weight (without cable)		12 g (aluminum) 29 g (steel)			
Housing Material		Aluminum or Steel			

Technical Drawing:



Options:

- Custom Cable Length
- Custom Housing Material
- Custom Connector

Cable Code/Pin Configuration:

DYN-G-6000

- Red: V +
- Black: Ground
- RX : Yellow : Signal

DYN-G-7000

- Red: V+
- Black: Ground
- RX : Yellow : Signal
- RY : Blue : Signal
- RZ : White : Signal