

Datasheet

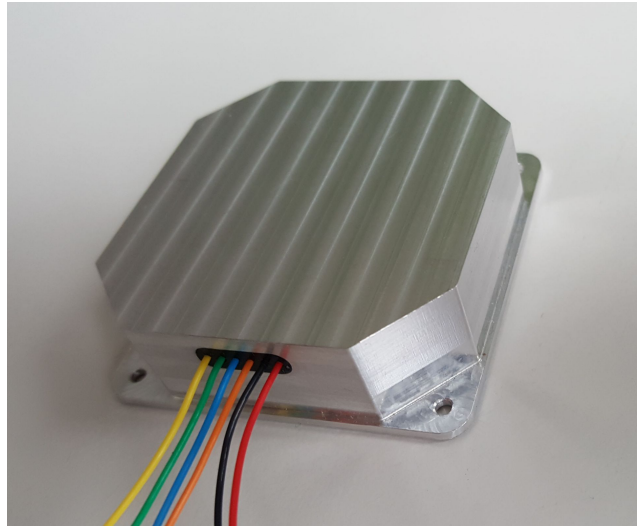
Gyroscope G-510

www.elmspace.space

The ElmSpace G-510 is a triaxial, 20 krad radiation hard, temperature compensated, shock- and vibration resistant gyroscope for spacecraft applications.

Data Output [32 bit]:

- angular rate [deg/sec]
- increment angle [deg]
- relative angle [deg]



Parameter	Value	Unit
Mass	40	g
Dimension	54 x 54 x 16	mm
Operating Voltage	3.3	V
Power Consumption	0.25	W
Operating Temperature	-40 ... +85	°C
Angular Random Walk	0.09	°/√h
Bias instability	0.5	°/h
Range (adjustable)	±125	°/s

Interface Options

- RS422, 115200 Baud (other on request)
- CAN 2.0, 1 Mbit/s (other on request)
- UART TTL 3V3

Further information on request

ElmSpace