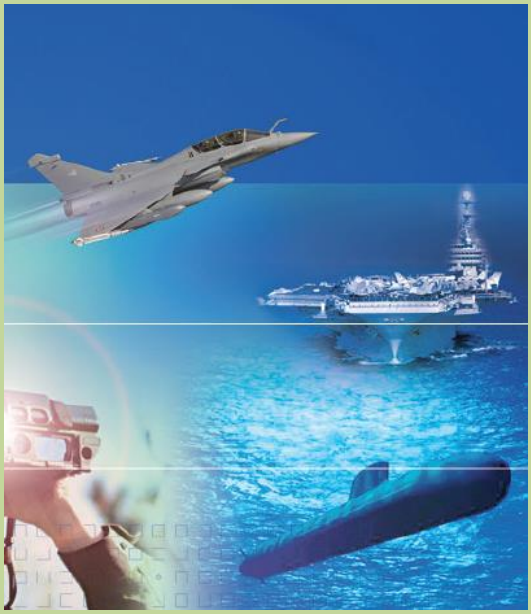
RLG600H Ultra High Precision Ring laser gyro



Products Guide

FOG Components

IMU Systems

FOG Devices

RLG Devices

FOG Instruments

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Features

Low Scale Factor Non-Linearity
MTBF100000 Hours
ITAR Free
Low power consumption
Low working power supply

Application

- EO/IR,FLIR stabilization
- platform stabilization
- Tactical missile guidance
- Flight controls
- North seeker
- Gyro compassing

2016 NEW VERSION

Description

The RLG600H ring laser gyro (RLG) represent the smallest-volume, lightest-weight, and Highest precision RLG systems. These Gyros are designed to provide the functions required for inertial guidance, aided or midcourse navigation, and vehicle stabilization and control to a wide variety of tactical missiles,standoff weapons, unmanned aerial vehicles, torpedoes, and manned rotorcraft. The RLG600H achieve their low cost as a result of several significant development thrusts must be utilized. The RLG600H is a true design-to-cost device with producibility and the cost of parts, materials, assembly labor, and manufacturing automation being the dominant design drivers.Additionally, the RLG600H use a commonality design approach. This philosophy has made it possible to develop several generic hardware

elements which need only be repackaged to provide an inertial system in the form factor required for specific programs.

ITAR Required We need export approval from Government.

Specification

Parameter	Units	RLG600H
Angular Random Walk (noise)*	°/√hr	0.002
Bias stability	°/hr	≤0.002(10s,1σ)
Bias Repeatability (day to day)	°/hr(1σ)	0.01
Scale factor repeatability	ppm(1σ)	≤10
Scale Factor Non-Linearity (max rate, 25°C)	ppm,(1σ)	≤5
Dynamic Range (Angular Rate)	°/sec	±600
Band width	HZ	>100
Dimension	mm	180x155X50
Weight	g	2000
Operation temperature	℃	-45-+71
Storage temperature	℃	-55-+85
Shock	g	80 g, 11 msec, sawtooth
Vibrations	g	7g(20-2000HZ)
Interface		RS422 Or OEM
Power supply	V	±5V
MTBF	Hours	100000
Baud Rate	Kbps	Typ 11528kbps (User selectable 9.6 Kbps
Data Rate	Hz	Typ400Hz(User Selectable 1 to 1000 Hz)

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