



Dual-axial MEMS Gyros

BS-GU3-M-D2EW

MEMS Inertial Devices and Systems

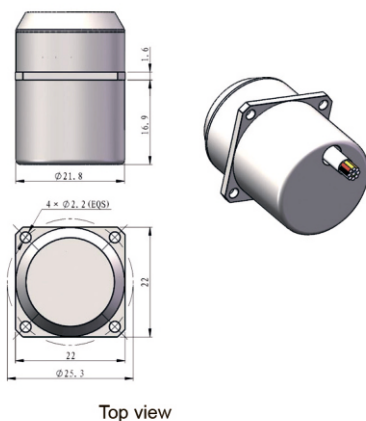
- ◇ Based on MEMS Process
- ◇ Standard Ceramic Packaging
- ◇ Temp. Output
- ◇ Ultra Small Size
- ◇ Lower Power
- ◇ 2000g Shock Resistance

Parameter	Unit	BS-GU3-M-D2EW
Range	°/s	±450 (Extendable to 3600 °/s)
Bias (Full Temp. , 1 σ)	°/h	≤150
Bias Instability	°/h	≤3
Bias Stability	°/h	≤15
Bias Repeatability	°/h	≤15
Angle Random Walk	°/√h	≤0.25
Scale Factor Nonlinearity	ppm	≤50
Bandwidth	Hz	150 (10 ~ 250Hz Adjustable)
Refresh Rate	Hz	2000
Supply Voltage	V	5±0.3
Operating Temp.	°C	-45 ~ +85
Storing Temp.	°C	-55 ~ + 105
Shock Resistance	g	≥2000
Vibration	grms	≥20
Size	mm	22.0×22.0×30.5
Weight	g	≤ 55
Interface	--	RS422
Output	--	High Temperature Cable

◇ Applications

Inertial Navigation: Inertial Guidance, Integrated Navigation, Platform Stabilization Short-term Navigation: Flight Control, Ballistic Correction, Telemetry
 Posture Control: UAV(Unmanned Aerial vehicle), Antenna Orientation, North Finder Automotive: Balance Measurement

◇ Structure (Unit : mm)



Cable	Definition	Note
Red	VDD	Power +
Black/Grey	GND	Power Ground
Yellow	TX+	RS422 Transmit +
Green	TX-	RS422 Transmit -
White	RX+	RS422 Receive +
Orange	RX-	RS422 Receive -
Other	NC	Blank

The image shown here is indicative only, the actual product may differ.

Definition