

GE-3660

Single-axis free gyroscope actuated ans sustained by an electric motor. Operates for at least 10 minutes. This gyro is intended for use in the high accuracy medium and long range missile and torpedo applications range, where 30 second activation time along with long mission operation at constant RPM is required. The motor is of the DC Brushless type with a high resolution brushless pickoff to measure angular changes on its outer gimbal. A remote electrical pulse is used to actuate a pressure squib for uncaging the gimbals. It has the independent capability of providing a DC electric output proportional to angular position in one axis.

Suitable, in particular, for air-to-surface, surface-tosurface and naval to surface missiles, as well as air-tosurface armed UAV/Drones, air-launched glide decoys, and for many other applications.



Specifications

Brushless DC Motor	
Voltage	28 VDC
Continuous Current	550 mAmp. max.
Starting Current	2.6 Amp. max.
Max. Drift (Scorsby / Random Vibration)	
Outer	0.2º Per min
Inner	0.4º Per min
Pickoff Outer/Inner	
Active Range	±40º
Linearity	<0.3%
Uncaging & Ready Time	
Uncage Current	2.5 Amp.min.
Ready Time	<30 sec

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Specifications

Environmental		
Temperature	-40ºC to +85ºC	
Shock	50 G, 11 msec / all axes	
Random Vibration		
Non-Operation	9.0 GRMS	
Operational	1.7 GRMS	
Weight		
750 gm		

Drawing

חסר שרטוט

All dimensions are in mm

For Additional Information

To learn more about the GE-3646 Free Gyroscope

Or other MTC products,

Contact MTC on +972 4 998 7772 or email marketing@mtcind.com

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