

G-040

Miniature, lightweight, one axis measuring, two-axis free gyroscope actuated by spring stored energy. Operates for at least 120 seconds. Specially designed to meet the need for short range, high acceleration missions. The G-040 has a single potentiometer on the outer gimbal. Inner and outer gimbal have freedom of 360°. A remote electrical pulse is used to actuate a pressure squib for uncaging the spring. Suitable in particular for man-portable anti-armor / anti-tank missiles, as well as air-to-surface missiles, and for many other applications.



Specifications

Max Drift (Scorsby /Random vibration)	
Time	Outer
30 sec	0.5º
60 sec	1.1º
90 sec	1.6º
120 sec	2.2º
Conductive Potentiometer Pickoff	
Active Range	±120º
Resistance	7.2 kOhm ±5%
Linearity	<0.5%

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G-3040

Specifications

Uncaging & Ready Time		
Uncage Current	2.5 AMP. Min	
Ready Time	<150 msec	
Environmental		
Temperature	-40 to +85 ºC	
Shock	50 G, 100 msec/ all axes	
Random Vibration		
Non-Operating	8.0 GRMS	
Operational	1.7 GRMS	
Weight		
165	gm	

Drawing

All dimensions are in mm

For Additional Information

To learn more about the G-3040 Free Gyroscope

Or other MTC products,

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

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