

## G-3040

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-3040 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

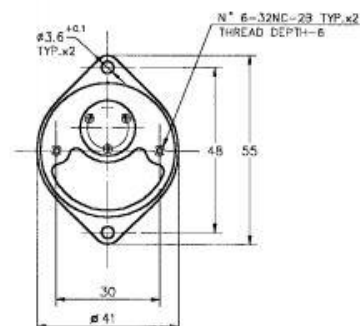
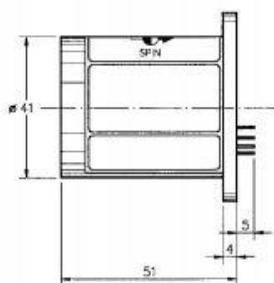
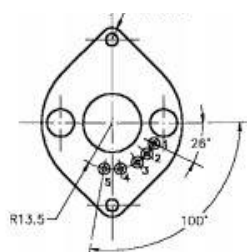
Max Drift (Scorsby /Random vibration)	
Time	Outer
30 sec	0.5°
60 sec	1.1°
90 sec	1.6°
120 sec	2.2°
Conductive Potentiometer Pickoff	
Active Range	±120°
Resistance	7.2 kOhm ±5%
Linearity	<0.5%

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### Specifications

Uncaging & Ready Time	
Uncage Current	2.5 AMP. Min
Ready Time	<150 msec
Environmental	
Temperature	-40 to +85 °C
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](mailto:marketing@mtcind.com)