

# 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                                | 0.5º         |  |
| 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%        |  |

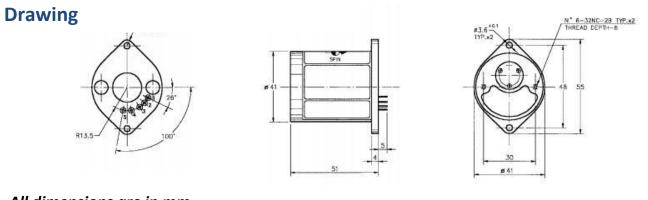
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## G-3040

#### **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                       |  |



### 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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