

Free Gyroscope

G-2876

Stored Energy Two-Axis Free Gyroscope 360°, one axis measuring.

Two-axis free gyroscope actuated by spring stored energy. Operates for at least 50 seconds. Specially designed to meet the need for short range, high acceleration missions. The G-2876 has two potentiometers, one on each gimbal. Inner and outer gimbal have freedom of 360°. A remote electrical pulse is used to actuate a pressure squib for uncaging the spring. Performance and mounting possibilities particularly suitable for TOW type missiles, manportable anti-armor / anti-tank, as well as air-to-surface missiles and many other applications.



Specifications

Max Drift (Scorsby /Random vibration)						
Time		Mod	el A	Model B		
	0		Inner	Outer	Inner	
20 sec	1.0º		1.4 º	1.4 º	2.4 º	
30 sec	1.5 º		2.1 º	2.1 º	3.7 ⁰	
40 sec	2.0 º		2.8 º	2.8 º	4.8 º	
50 sec	2.5 º		3.5 ⁰	3.5 ⁰	6.0 º	
Potentiometer Pick off (Wire Wound or Conductive)						
		Outer		Inner		
Active	Active Range		±60º	±40º		
Resistance		7.2 kOhm ±5%		4.8 kOhm ±5%		
Linearity		<0.5%		<0.5%		

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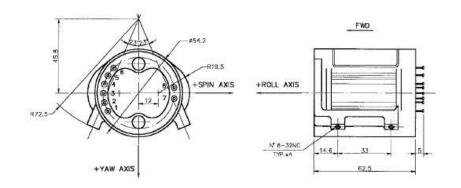


G-2876

Specifications

Uncaging & Ready Time				
Uncage Current	2.5 Amp. Min.			
Ready Time	150 msec			
Environmental				
Temperature	-40º to +85ºC			
Shock	400 G, 18 msec / all axes			
Random Vibration				
Non-Operating	15.0 GRMS			
Operational	8.2 GRMS			
Weight				
300 gm				

Drawing



All dimensions are in mm

For Additional Information

To learn more about the G-2876 Free Gyroscope

Or other MTC products,

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

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