ER-DTG-E5 Flexible gyroscope

Introduction

Strapdown Flexible gyroscope with long lifetime, wide measurement range and high reliability, has been widely used in strapdown inertial measurement unit and high dynamic transporter attitude system.

Features

High speed;.

Light weight;

Small volume;

High reliability;

Specifications

1	Random Drift (1σ)	0.1°/h
2	Drift Stability (1σ)	0.3°/h
3	G-independent	≤15°/h
4	G-dependent	≤8°/h
5	Frequency Response	≥70Hz
6	Power Supply (Three Phase)	500Hz 16V
7	Power Supply (Single Phase)	16KHz 5V
8	Synchronous Speed	10,000
9	Synchronizing Time	≤10S
10	Output Gradient	10~14 mv/'
11	Master torquer	7±1 Ω
12	Vice control torquer	2±0.5 Ω
13	Scale Factor-Master torquer	≥600°/h/mA
14	Scale Factor-Vice control torquer	≥10°/h/mA

15	Max. Tracking Speed	≥200°/s
16	Output Non-linearity	≤0.5%
17	Lifetime	≥3000
18	Operating Temperature	-40~+65℃
19	Shock Overload (8ms)	≥60 g
20	Dimension	Ф34×64mm
21	Mounting flanges	36×36mm
22	Weight	≤320g