

### HTS-E3/5 Low cost three-axis MEMS Gyro

**HTS-E3/5** three-axis MEMS gyro combination consists of cost-effective MEMS gyro chip and its drive pickup circuit, temperature sensor, digital signal processing circuit, structure and software, etc., used for real-time measurement of the angular velocity of the carrier in three axial direction.



Spec	Unit	HTS-E3/5
Range	°/s	±300 (Max. 2000)
Zero bias	°/s	0.02
Bias stability (1s smooth, 1σ, room temperature)	°/h	30
Bias error (full temperature range)	°/h	72
Random drift	°/√h	0.26
Bias repeatability	°/h	20
Bias acceleration sensitivity	°/h /g	10
Resolution	°/h	5
Scale factor non-linearity	PPM	100
Scale factor repeatability	PPM	100
Cross coupling	%	0.1
Band Width	Hz	250
Start stable time	s	≤1
Sample rate	Hz	2000
Zero bias noise (P-P)	°/s	0.4
Voltage	V	5±0.5
Consumption	W	≤0.15

<b>Spec</b>	<b>Unit</b>	<b>HTS-E3/5</b>
Working temperature	°C	-40~65
Storage temperature	°C	-55~105
Vibration	— —	10~2000Hz,6.06g
Shock	— —	12000g, 0.1ms
MTBF	h	20000
Dimension	mm	22*22*12.5
Weight	g	22