

Compsystems Yaw rate sensor 150 Deg/sec

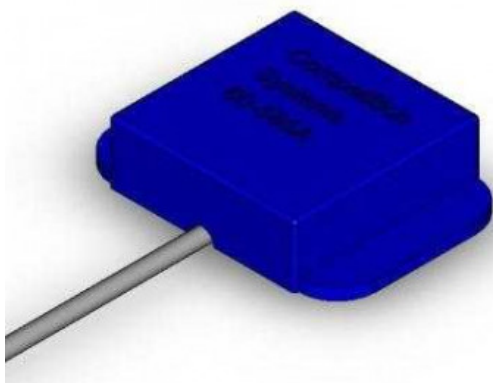
Brand: Competition Systems

Product Code: 60-578A

Availability: In Stock

Weight: 0.10kg

Dimensions: 10.00cm x 5.00cm x 2.00cm



Price: \$347.50

Short Description

High performance yaw rate sensor with 0-5V analog output and +/- 150 degrees per second range

Description

Features

+/- 150 degrees/second measurement range

Tough polycarbonate housing sealed to IP66

600mm flying lead made of M22759/32 wire and Hellerman Tyton SE28 heatshrink

Specifications

Parameter	Symbol	Rating	Unit
Operating Supply Voltage	Vcc	4.5 - 5.5	V dc
Operating Temperature	Topr	-55 to +125	Deg C
Storage	Tstg	-65 to	Deg C

Temperature | | +150 |

Electro Optical
 Characteristics
 Topr = 25C Vcc =
 5VDC

Parameter	Symbol	Conditions	Min	Typ	Max	Unit	Notes
Measuring range	Deg/sec		-150		150	Deg/sec	
Nonlinearity	%			+0.1		%	
Alignment error	Degrees			-0.1		Degrees	1
Ratiometric sensitivity	mV/Deg/sec			12.5			
Zero G Bias Voltage	mV			2500		mV	
Sensor Resonant Frequency				5.5		kHz	
Average supply current	mA			3.5		mA	

Absolute maximum ratings

Parameter	Rating
Acceleration	2000g
Any axis Supply voltage	6.0V

Typical calibration
 (refer to individual unit spec sheet)

Deg/sec	mV out
-150	625.000
-120	1000.000
-90	1375.000

-60	1750.000
-30	2125.000
0	2500.000
30	2875.000
60	3250.000
90	3625.000
120	4000.000
150	4375.000

Wiring Colours

Wiring Colours				8STA6	DTM04-3P	FGG 0B 304
				06-05		
				PN		
VREF	RED	24AWG	Pin	2	1	1
GND	BLK	24AWG		5	3	4
Gyro Out	WHT	24AWG		3	2	2

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