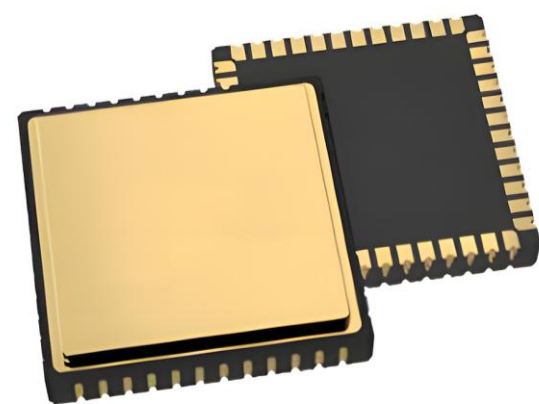




HIGH PRECISION MEMS INERTIAL CHIP AND MODULE



www.memsmag.com



MG-101/102 TACTICAL GRADE

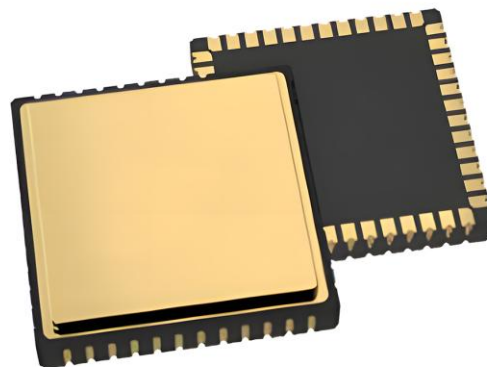
MEMS Gyroscope Chip

Dynamic Range.....	±100°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	0.1°/hr
Zero Bias Repeatability (1σ).....	0.1°/hr
Random Walk Coefficient	0.005°/√h
The Scale Factor of Nonlinearity.....	300ppm (1σ)
The Scale Factor of Repeatability.....	100ppm (1σ)
The Scale Factor of Temperature.....	300ppm (1σ)
Bandwidth.....	12/50Hz
Impact Resistance.....	10000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*1.95mm
Weight.....	1.5g

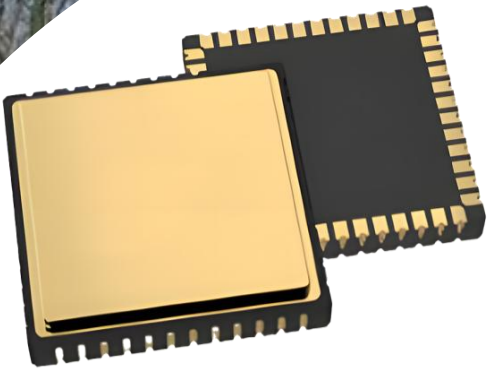
MG-301

TACTICAL GRADE

MEMS Gyroscope Chip



Dynamic Range	$\pm 300^{\circ}/s$
Measuring Axis	Z
Zero Bias Stability (10s, 1σ)	$0.3^{\circ}/hr$
Zero Bias Repeatability (1σ)	$0.15^{\circ}/hr$
Random Walk Coefficient	$0.015^{\circ}/\sqrt{h}$
The Scale Factor of Nonlinearity	100ppm (1σ)
The Scale Factor of Repeatability	30ppm (1σ)
The Scale Factor of Temperature	100ppm (1σ)
Resolution	24bits
Impact Resistance	10000g, 10ms, 1/2 sine
Vibration Conditions	18grms, 20~2000Hz
Communication Protocol	I ² C/SPI/UART
Output Signal	Digital
Pack and Size	Chip, 11*11*1.95mm
Weight	1.5g



MG-401/403/404 TACTICAL GRADE

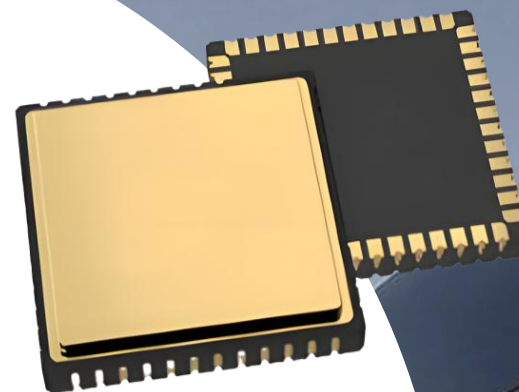
MEMS Gyroscope Chip

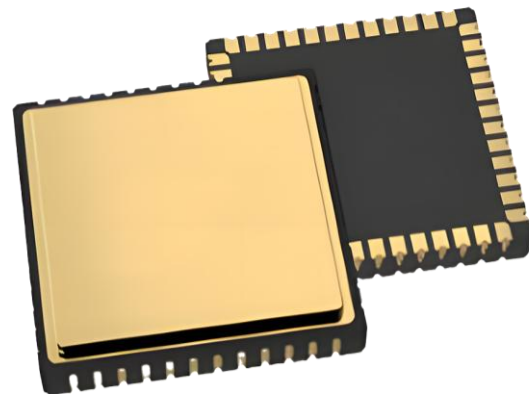
Dynamic Range.....	±400°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	0.5/0.5/1°/hr
Zero Bias Repeatability (1σ).....	0.5/0.5/0.3°/hr
Random Walk Coefficient.....	0.025/0.025/0.05°/√h
The Scale Factor of Nonlinearity.....	100/100/300ppm (1σ)
The Scale Factor of Repeatability.....	20/20/100ppm (1σ)
The Scale Factor of Temperature.....	100/100/300ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	10000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*1.95mm
Weight.....	1.5g

MH-501/MG-503 TACTICAL GRADE

MEMS Gyroscope Chip

Dynamic Range.....	±500°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	2/1°/hr
Zero Bias Repeatability (1σ).....	2/0.5°/hr
Random Walk Coefficient.....	0.1/0.05°/√h
The Scale Factor of Nonlinearity.....	150ppm (1σ)
The Scale Factor of Repeatability.....	20ppm (1σ)
The Scale Factor of Temperature.....	100ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	10000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*1.95mm
Weight.....	1.5g





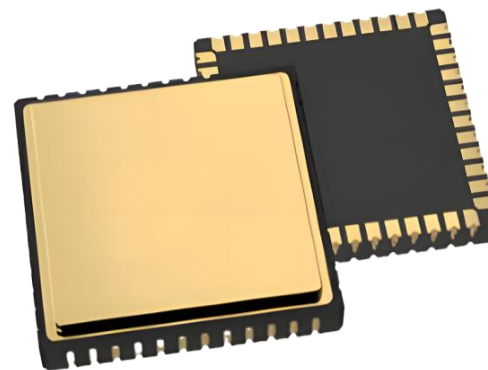
MG-1001 TACTICAL GRADE

MEMS Gyroscope Chip

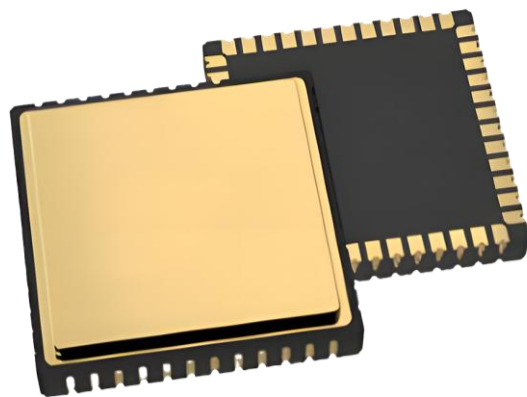
Dynamic Range.....	±1000°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	1°/hr
Zero Bias Repeatability (1σ).....	0.3°/hr
Random Walk Coefficient.....	0.05°/√h
The Scale Factor of Nonlinearity.....	100/150ppm (1σ)
The Scale Factor of Repeatability.....	20ppm (1σ)
The Scale Factor of Temperature.....	100ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	10000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*1.95mm
Weight.....	1.5g

MG-2001 TACTICAL GRADE

MEMS Gyroscope Chip



Dynamic Range.....	±2000°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	2.5°/hr
Zero Bias Repeatability (1σ).....	1°/hr
Random Walk Coefficient	0.15°/√h
The Scale Factor of Nonlinearity	100/150ppm (1σ)
The Scale Factor of Repeatability.....	20/10ppm (1σ)
The Scale Factor of Temperature.....	100ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	10000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*1.95mm
Weight.....	1.5g



MG-4001

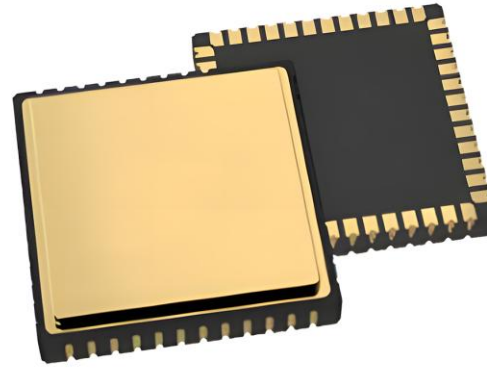
TACTICAL GRADE

MEMS Gyroscope Chip

Dynamic Range.....	$\pm 4000^{\circ}/s$
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	$5^{\circ}/hr$
Zero Bias Repeatability (1σ).....	$3^{\circ}/hr$
Random Walk Coefficient	$0.25^{\circ}/\sqrt{h}$
The Scale Factor of Nonlinearity.....	100/150ppm (1σ)
The Scale Factor of Repeatability.....	10ppm (1σ)
The Scale Factor of Temperature.....	100ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	10000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*1.95mm
Weight.....	1.5g

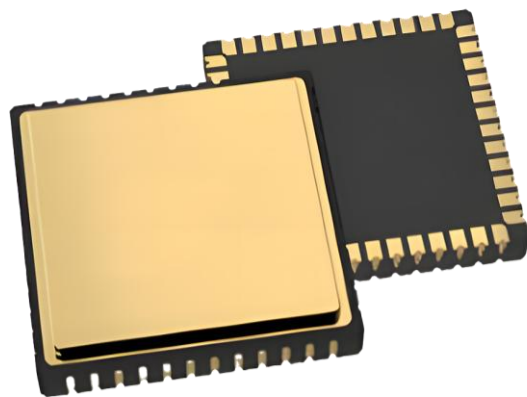
MG-8001 TACTICAL GRADE

MEMS Gyroscope Chip



Dynamic Range.....	+8000°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	10°/hr
Zero Bias Repeatability (1σ).....	10°/hr
Random Walk Coefficient	0.5°/√h
The Scale Factor of Nonlinearity.....	150ppm (1σ)
The Scale Factor of Repeatability.....	20ppm (1σ)
The Scale Factor of Temperature.....	100ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	10000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*1.95mm
Weight.....	1.5g





MG-10800 TACTICAL GRADE

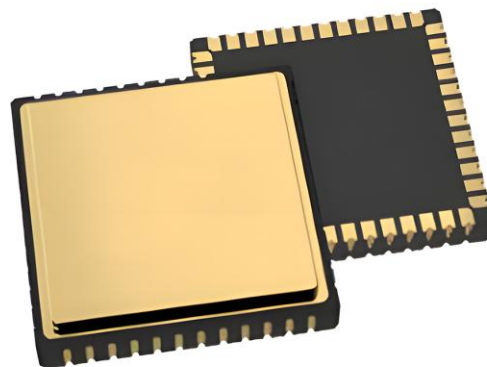
MEMS Gyroscope Chip

Dynamic Range	±10800°/s
Measuring Axis	Z
Zero Bias Stability (10s, 1σ)	10°/hr
Zero Bias Repeatability (1σ)	5°/hr
Random Walk Coefficient	1°/√h
The Scale Factor of Nonlinearity	100ppm (1σ)
The Scale Factor of Repeatability	50ppm (1σ)
The Scale Factor of Temperature	1000ppm (1σ)
Resolution	24bits
Impact Resistance	3000g, 10ms, 1/2 sine
Vibration Conditions	18grms, 20~2000Hz
Communication Protocol	I ² C/SPI/UART
Output Signal	Digital
Pack and Size	Chip, 11*11*1.95mm
Weight	1.5g

MGZ-025

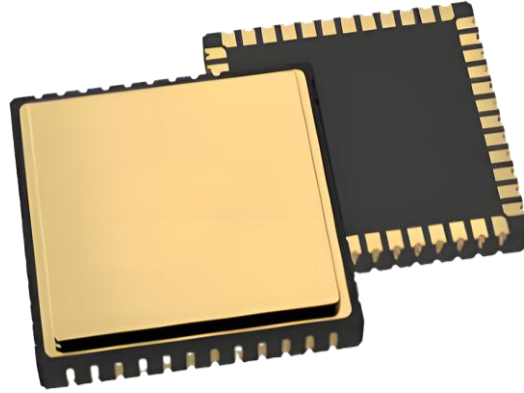
TACTICAL GRADE

MEMS Gyroscope Chip



Dynamic Range.....	±25°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	0.033°/hr
Zero Bias Repeatability (1σ).....	0.06°/hr
Random Walk Coefficient	0.0016°/√h
The Scale Factor of Nonlinearity.....	100ppm (1σ)
The Scale Factor of Repeatability.....	100ppm (1σ)
The Scale Factor of Temperature.....	300ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*3mm
Weight.....	1.5g





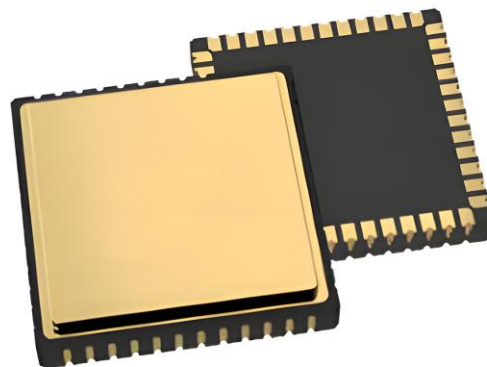
MGZ-101 TACTICAL GRADE

MEMS Gyroscope Chip

Dynamic Range.....	$\pm 100^{\circ}/s$
Measuring Axis.....	Z
Zero Bias Stability (10s, 1 σ).....	0.044 $^{\circ}/hr$
Zero Bias Repeatability (1 σ).....	0.075 $^{\circ}/hr$
Random Walk Coefficient	0.0022 $^{\circ}/\sqrt{h}$
The Scale Factor of Nonlinearity.....	100ppm (1 σ)
The Scale Factor of Repeatability.....	100ppm (1 σ)
The Scale Factor of Temperature.....	300ppm (1 σ)
Resolution.....	24bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*3mm
Weight.....	1.5g

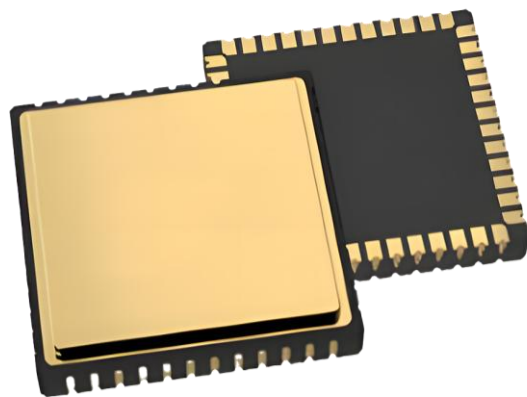
MGZ-201 TACTICAL GRADE

MEMS Gyroscope Chip



Dynamic Range.....	±200°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	0.077°/hr
Zero Bias Repeatability (1σ).....	0.1°/hr
Random Walk Coefficient	0.0033°/√h
The Scale Factor of Nonlinearity.....	150ppm (1σ)
The Scale Factor of Repeatability.....	100ppm (1σ)
The Scale Factor of Temperature.....	300ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I²C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*3mm
Weight.....	1.5g





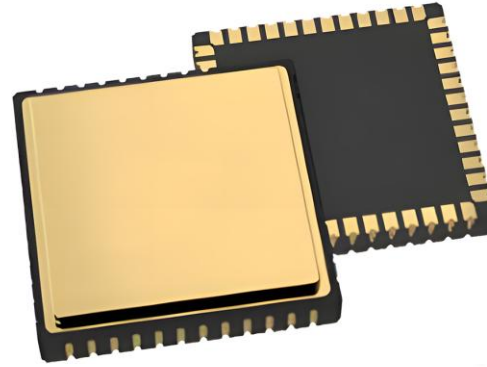
MGZ-301/302 TACTICAL GRADE

MEMS Gyroscope Chip

Dynamic Range	$\pm 300^{\circ}/s$
Measuring Axis	Z
Zero Bias Stability (10s, 1σ)	0.11/0.22 $^{\circ}/hr$
Zero Bias Repeatability (1σ)	0.15/0.15 $^{\circ}/hr$
Random Walk Coefficient	0.0055/0.011 $^{\circ}/\sqrt{h}$
The Scale Factor of Nonlinearity	100/100ppm (1σ)
The Scale Factor of Repeatability	100/50ppm (1σ)
The Scale Factor of Temperature	300/50ppm (1σ)
Resolution	24bits
Impact Resistance	6000g, 10ms, 1/2 sine
Vibration Conditions	18grms, 20~2000Hz
Communication Protocol	I ² C/SPI/UART
Output Signal	Digital
Pack and Size	Chip, 11*11*3mm
Weight	1.5g

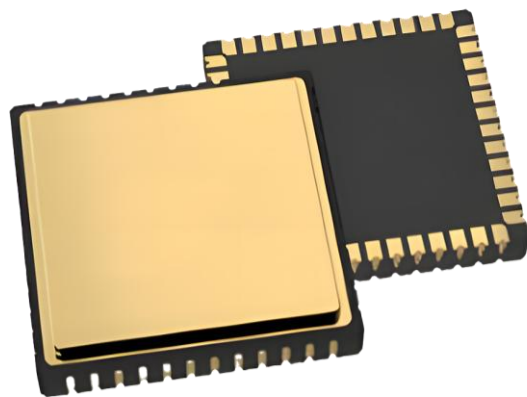
MGZ-401 TACTICAL GRADE

MEMS Gyroscope Chip



Dynamic Range.....	$\pm 400^{\circ}/s$
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	$0.3^{\circ}/hr$
Zero Bias Repeatability (1σ).....	$0.3^{\circ}/hr$
Random Walk Coefficient.....	$0.015^{\circ}/\sqrt{h}$
The Scale Factor of Nonlinearity.....	100ppm (1σ)
The Scale Factor of Repeatability.....	100ppm (1σ)
The Scale Factor of Temperature.....	300ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*3mm
Weight.....	1.5g





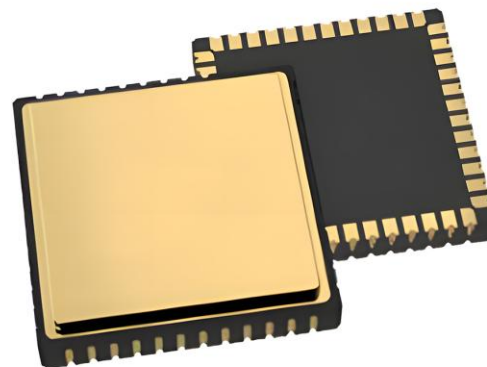
MGZ-501/502/503 TACTICAL GRADE

MEMS Gyroscope Chip

Dynamic Range.....	±500°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	0.12/0.33/0.66°/hr
Zero Bias Repeatability (1σ).....	0.2/0.2/0.2°/hr
Random Walk Coefficient.....	0.006/0.016/0.033°/√h
The Scale Factor of Nonlinearity.....	100/50/50ppm (1σ)
The Scale Factor of Repeatability.....	100/30/20ppm (1σ)
The Scale Factor of Temperature.....	300/50/50ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*3mm
Weight.....	1.5g

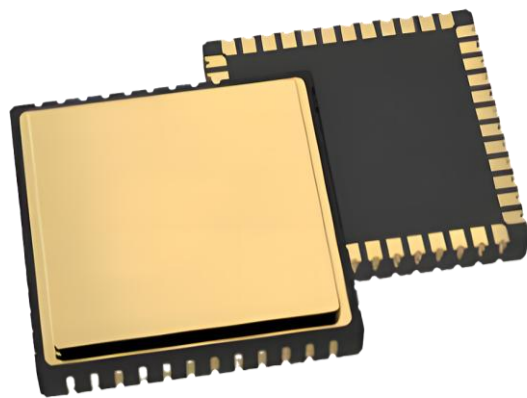
MHZ-102 TACTICAL GRADE

MEMS Gyroscope Chip



Dynamic Range.....	$\pm 100^\circ/\text{s}$
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	$0.022^\circ/\text{hr}$
Zero Bias Repeatability (1σ).....	$0.05^\circ/\text{hr}$
Random Walk Coefficient	$0.0011^\circ/\sqrt{\text{h}}$
The Scale Factor of Nonlinearity.....	30ppm (1σ)
The Scale Factor of Repeatability.....	15ppm (1σ)
The Scale Factor of Temperature.....	50ppm (1σ)
Resolution.....	32bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Operating Temperature.....	-60 ~ +150°C
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*3mm
Weight.....	1.5g





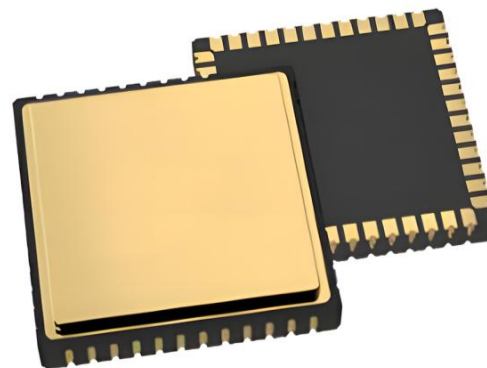
MHZ-504 TACTICAL GRADE

MEMS Gyroscope Chip

Dynamic Range.....	±500°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	0.077°/hr
Zero Bias Repeatability (1σ).....	0.075°/hr
Random Walk Coefficient	0.0033°/√h
The Scale Factor of Nonlinearity.....	30ppm (1σ)
The Scale Factor of Repeatability.....	15ppm (1σ)
The Scale Factor of Temperature.....	50ppm (1σ)
Resolution.....	32bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Operating Temperature.....	-60 ~ +150°C
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*3mm
Weight.....	1.5g

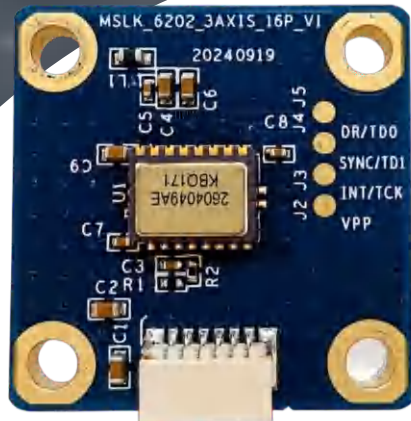
MHZ-1001 TACTICAL GRADE

MEMS Gyroscope Chip



Dynamic Range.....	$\pm 1000^{\circ}/s$
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	$0.11^{\circ}/hr$
Zero Bias Repeatability (1σ).....	$0.1^{\circ}/hr$
Random Walk Coefficient	$0.0055^{\circ}/\sqrt{h}$
The Scale Factor of Nonlinearity.....	30ppm (1σ)
The Scale Factor of Repeatability.....	15ppm (1σ)
The Scale Factor of Temperature.....	50ppm (1σ)
Resolution.....	32bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	18grms, 20~2000Hz
Operating Temperature.....	-60 ~ +150°C
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*3mm
Weight.....	1.5g





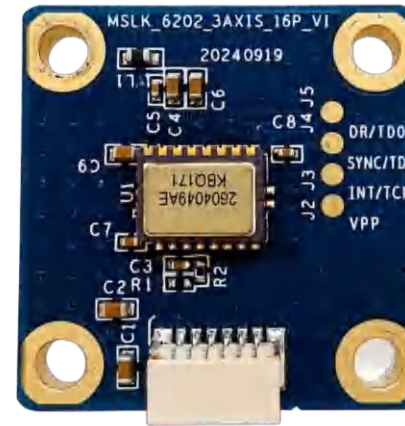
M-XDR-D0 TACTICAL GRADE

MEMS Gyroscope Chip

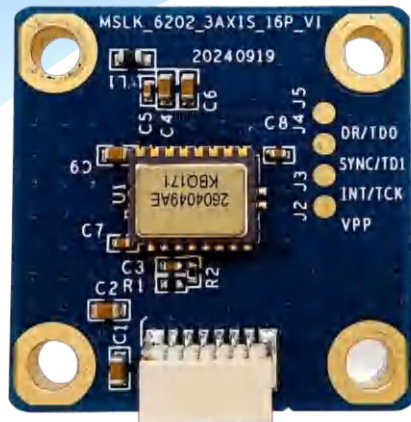
Dynamic Range	±500°/s
Measuring Axis	Z
Zero Bias Stability (10s, 1σ)	2.5°/hr
Zero Bias Repeatability (1σ)	1.5°/hr
Random Walk Coefficient	0.125°/√h
The Scale Factor of Nonlinearity	100ppm (1σ)
The Scale Factor of Repeatability	25ppm (1σ)
The Scale Factor of Temperature	50ppm (1σ)
Resolution	24bits
Impact Resistance	6000g, 10ms, 1/2 sine
Vibration Conditions	20grms, 20~2000Hz
Operating Temperature	-40 ~ +150°C
Output Signal	Digital
Pack and Size	Chip, 7.8*5.8*3mm
Weight	1g

M-XDR-D1 TACTICAL GRADE

MEMS Gyroscope Chip



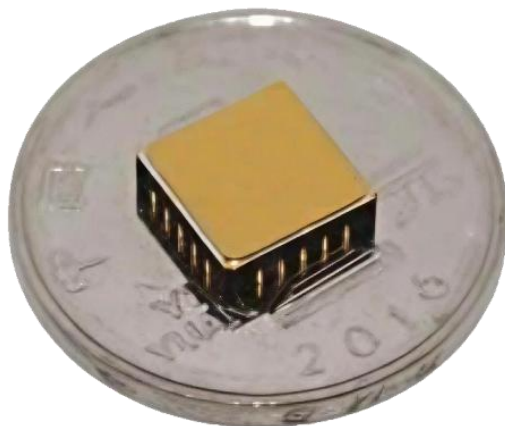
Dynamic Range.....	$\pm 1000^{\circ}/s$
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	$3^{\circ}/hr$
Zero Bias Repeatability (1σ).....	$2^{\circ}/hr$
Random Walk Coefficient	$0.15^{\circ}/\sqrt{h}$
The Scale Factor of Nonlinearity.....	100ppm (1σ)
The Scale Factor of Repeatability.....	25ppm (1σ)
The Scale Factor of Temperature.....	50ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	20grms, 20~2000Hz
Operating Temperature.....	-40 ~ +150°C
Output Signal.....	Digital
Pack and Size.....	Chip, 7.8*5.8*3mm
Weight.....	1g



M-XDR-D2 TACTICAL GRADE

MEMS Gyroscope Chip

Dynamic Range.....	±2000°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	5°/hr
Zero Bias Repeatability (1σ).....	3°/hr
Random Walk Coefficient	0.25°/√h
The Scale Factor of Nonlinearity.....	100ppm (1σ)
The Scale Factor of Repeatability.....	15ppm (1σ)
The Scale Factor of Temperature.....	50ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	6000g, 10ms, 1/2 sine
Vibration Conditions.....	20grms, 20~2000Hz
Operating Temperature.....	-40 ~ +150°C
Output Signal.....	Digital
Pack and Size.....	Chip, 7.8*5.8*3mm
Weight.....	1g



M-QMG07-XXX TACTICAL GRADE

MEMS Gyroscope Chip

Dynamic Range.....	±500/±1000/±2000/±4000°/s
Measuring Axis.....	Z
Zero Bias Stability (10s, 1σ).....	3°/hr
Zero Bias Repeatability (1σ).....	5°/hr
Random Walk Coefficient	0.3°/√h
The Scale Factor of Nonlinearity.....	100ppm (1σ)
The Scale Factor of Repeatability.....	100ppm (1σ)
The Scale Factor of Temperature.....	500ppm (1σ)
Resolution.....	24bits
Impact Resistance.....	1500g,0.5ms,1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 8.9*8.9*2.7mm
Weight.....	1.3g

M3G-210 (Replacement for STIM210)

TACTICAL GRADE

MEMS Gyroscope Module

Dynamic Range.....	±500°/s
Measuring Axis.....	3 Axis
Full Temperature Zero Bias(3 σ)	30°/hr
Zero Bias Stability (10s).....	2°/hr
Zero Bias Repeatability (1 σ).....	1°/hr
Random Walk Coefficient	0.1°/√h
The Scale Factor of Nonlinearity.....	100ppm (1 σ)
Cross-coupling (rad).....	0.001ppm
Bandwidth.....	200Hz
Power Supply.....	5~12V
Power Consumption.....	1.5W
Impact Resistance.....	500g,1ms,1/2 sine
Vibration Conditions.....	6.06grms, 20~2000Hz
Communication Protocol.....	RS422
Operating Temperature.....	-40~+80℃
Pack and Size.....	44.8*38.6*21.5mm
Weight.....	50±5g





M3G-220

TACTICAL GRADE

MEMS Gyroscope Module

Dynamic Range.....	±100°/s
Measuring Axis.....	3 Axis
Full Temperature Zero Bias(3σ)	10°/hr
Zero Bias Stability (10s).....	0.2°/hr
Zero Bias Repeatability (1σ).....	0.2°/hr
Random Walk Coefficient	0.01°/√h
The Scale Factor of Nonlinearity.....	100ppm (1σ)
Cross-coupling (rad).....	0.001ppm
Bandwidth.....	≥ 12Hz
Power Supply.....	5±0.5V
Power Consumption.....	1.5W
Impact Resistance.....	1000g,1ms,1/2 sine
Vibration Conditions.....	7.72grms
Communication Protocol.....	RS422
Operating Temperature.....	-40~+85℃
Pack and Size.....	44.8*38.6*21.5mm
Weight.....	60g

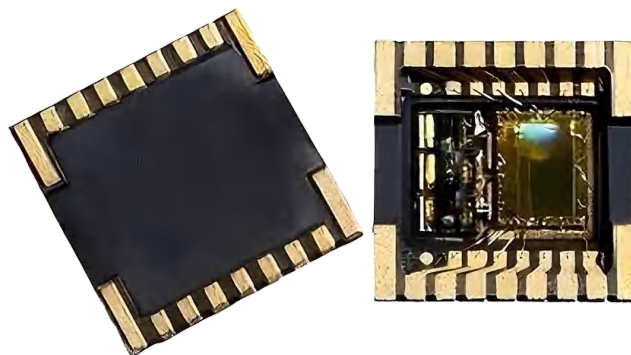
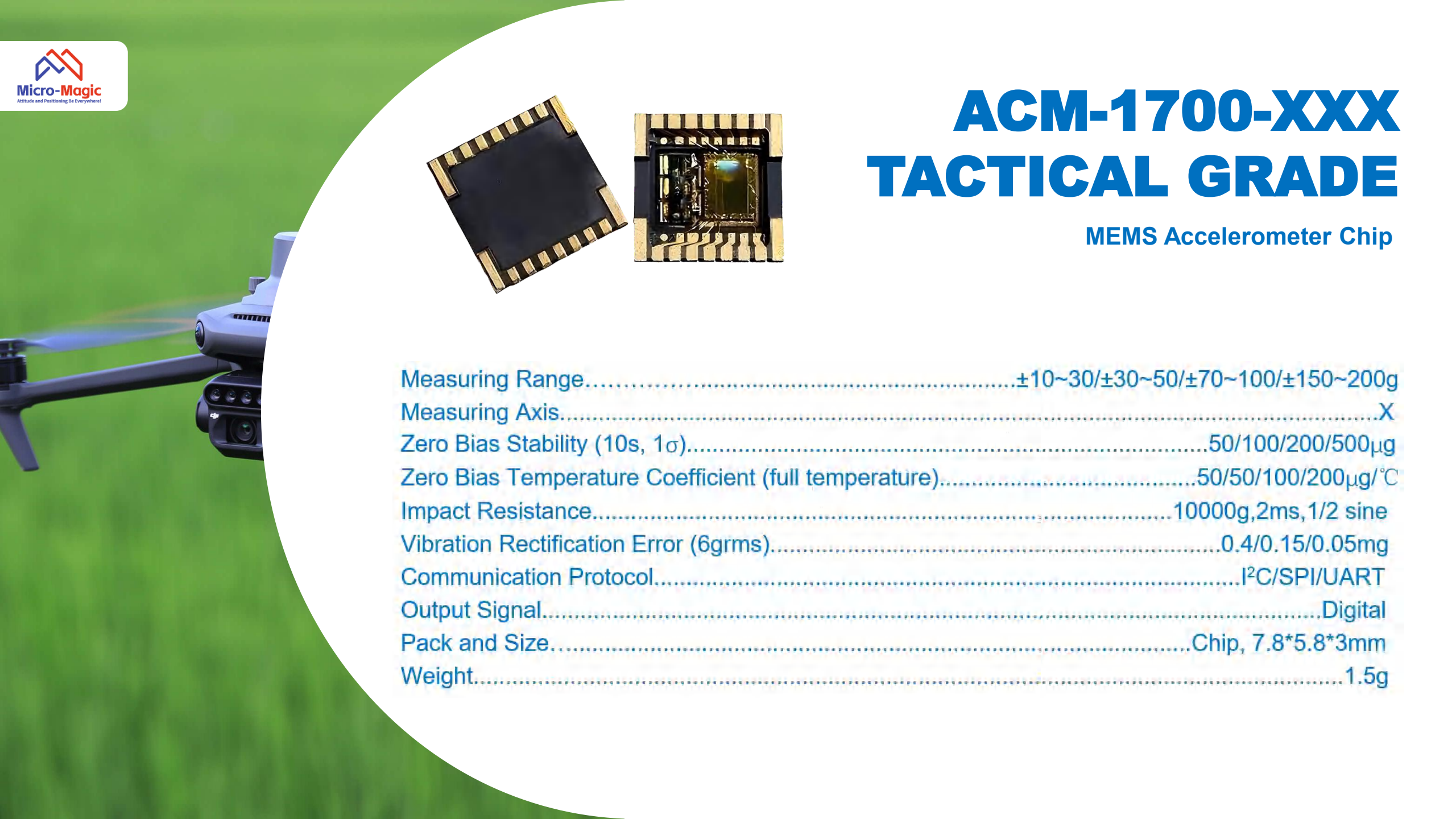
M3G-230

TACTICAL GRADE

MEMS Gyroscope Module



Dynamic Range.....	±50°/s
Measuring Axis.....	3 Axis
Full Temperature Zero Bias.....	5°/hr
Zero Bias Stability (10s).....	0.1°/hr
Zero Bias Repeatability (1σ).....	0.1°/hr
Random Walk Coefficient	0.005°/√h
The Scale Factor of Nonlinearity.....	150ppm
Cross-coupling (rad).....	0.001ppm
Bandwidth.....	≥ 12Hz
Power Supply.....	5±0.5V
Power Consumption.....	1.5W
Impact Resistance.....	1000g, 1ms, 1/2 sine
Vibration Conditions.....	7.72grms
Communication Protocol.....	RS422
Operating Temperature.....	-40~+85℃
Pack and Size.....	44.8*38.6*21.5mm
Weight.....	60g



ACM-1700-XXX

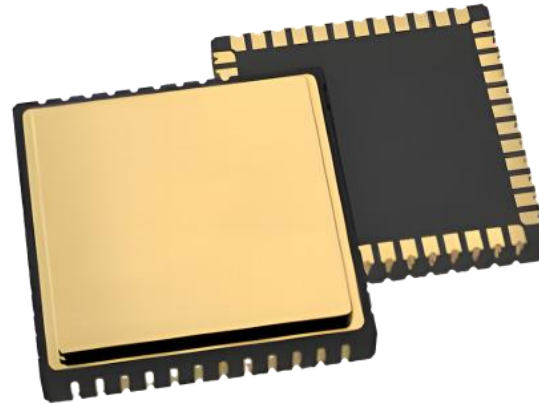
TACTICAL GRADE

MEMS Accelerometer Chip

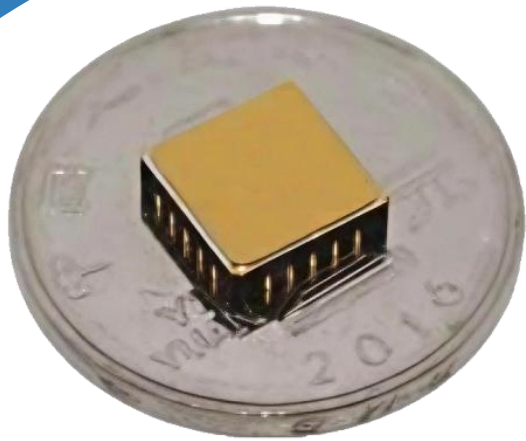
Measuring Range.....	±10~30/±30~50/±70~100/±150~200g
Measuring Axis.....	X
Zero Bias Stability (10s, 1σ).....	50/100/200/500μg
Zero Bias Temperature Coefficient (full temperature).....	50/50/100/200μg/°C
Impact Resistance.....	10000g,2ms,1/2 sine
Vibration Rectification Error (6grms).....	0.4/0.15/0.05mg
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 7.8*5.8*3mm
Weight.....	1.5g

ACM-1900-XXX TACTICAL GRADE

MEMS Accelerometer Chip



Measuring Range.....	±2~10/±30~50/±70~100/±150~200g
Measuring Axis.....	X
Zero Bias Stability (10s, 1σ).....	20/50/150/250μg
Zero Bias Temperature Coefficient (full temperature).....	10/50/100/200μg/°C
Resolution.....	5/10/25/50μg
Impact Resistance.....	20000g, 2ms, 1/2 sine
Vibration Rectification Error (6grms).....	0.4/0.15/0.05mg
Communication Protocol.....	I ² C/SPI/UART
Output Signal.....	Digital
Pack and Size.....	Chip, 11*11*2.1mm
Weight.....	1.5g



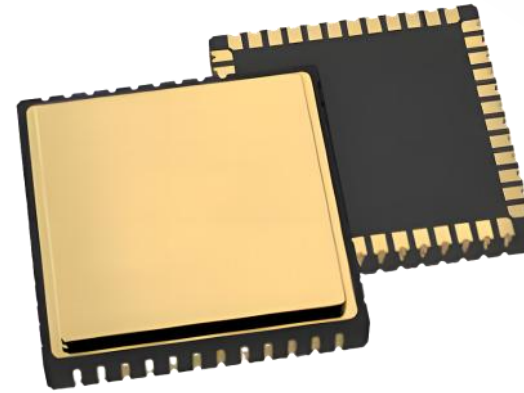
AC-SMA-XXD TACTICAL GRADE

MEMS Accelerometer Chip

Measuring Range.....	±2/±5/±10/±15/±20/±30/50g
Measuring Axis.....	X
Zero Bias Stability (1s, 1σ).....	20/20/50/50/50/100/200μg
Zero Bias Temperature Coefficient (full temperature).....	10/10/30/30/30/50/100μg/°C
Monthly Repeatability.....	100~300μg
Impact Resistance.....	27000g,2ms,1/2 sine
Vibration Rectification Error (6grms).....	0.15mg
Communication Protocol.....	SPI
Working Temperature.....	-55~+125°C
Output Signal.....	Analog/Digital
Pack and Size.....	8.89±0.25*8.89±0.25*2.7±.25mm

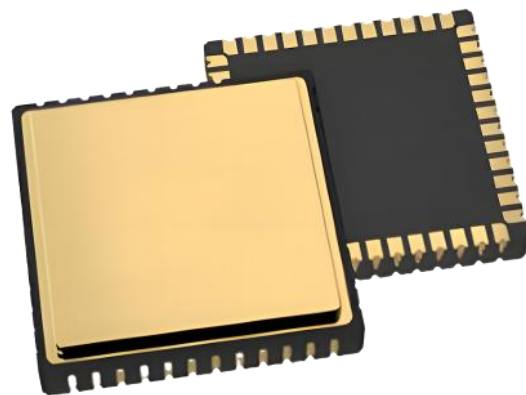
AC-MAF599 TACTICAL GRADE

MEMS Accelerometer Chip



Measuring Range.....	±100g
Measuring Axis.....	Y
Zero Bias Stability (10s, 1σ).....	15μg
Scale Temperature Coefficient.....	<40 ppm/°C
Bandwidth (adjustable).....	150 Hz
Shock in power.....	500g
Vibration Rectification Error.....	<5μg/g ²
Communication Protocol.....	SPI
Working Temperature.....	-50~+85°C
Output Signal.....	Digital
Pack and Size.....	CLCC48, 11*11*2.5mm





AC-MAD210 TACTICAL GRADE

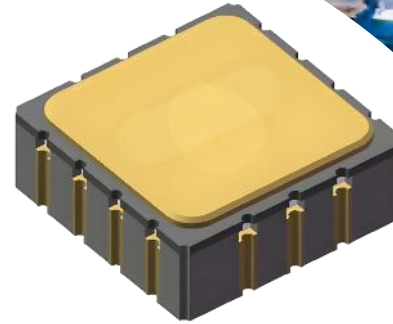
MEMS Accelerometer Chip

Measuring Range.....	±5/±10g/±16/±20/±30/±50 g
Measuring Axis.....	X, Y
Zero Bias Stability (10s, 1σ).....	8/15/35/50 μg
Scale Temperature Coefficient.....	<80 ppm/°C
Bandwidth (adjustable).....	150 Hz
Shock in power.....	3000/6000 g
Vibration Rectification Error.....	<30~100 μg/g ²
Communication Protocol.....	SPI
Working Temperature.....	-45~+85°C
Output Signal.....	Digital
Pack and Size.....	CLCC48, 11*11*1.95mm

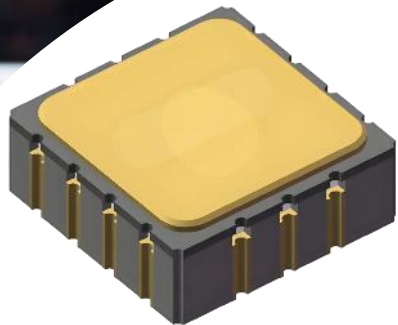
XDA-205

INDUSTRIAL GRADE

MEMS Accelerometer Chip



Measuring Range.....	$\pm 2/\pm 3$ g
Measuring Axis.....	X, Y
Zero Bias instability (allan).....	X/Y axis: 4 μ g
Cross Axis Sensitivity.....	1%
Bandwidth (adjustable).....	1000 Hz
Shock in power.....	5000 g
Vibration Rectification Error.....	<400 mg/g ²
Communication Protocol.....	I ² C/SPI
Working Temperature.....	-40~+85°C
Output Signal.....	Digital
Pack and Size.....	CLCC14, 6*6*2mm



AD-950 INDUSTRIAL GRADE

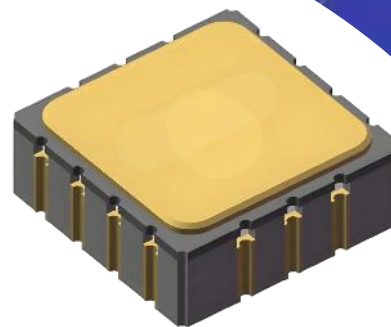
MEMS Accelerometer Chip

Measuring Range.....	±10/±20g/±30/±40/±50 g
Measuring Axis.....	X, Y
Zero Bias Stability (10s, 1σ).....	20/50/75/90/100 μg
Scale Temperature Coefficient.....	100 ppm/°C
Bandwidth (adjustable).....	200 Hz
Shock in power.....	6000 g
Vibration Rectification Error.....	<1 mg/6grms
Communication Protocol.....	SPI
Working Temperature.....	-45~+85°C
Output Signal.....	Digital
Pack and Size.....	CLCC14, 6*6*2mm

XDA-315 (Replacement for ADXL355)

INDUSTRIAL GRADE

MEMS Accelerometer Chip



Measuring Range.....	±2/±8 g
Measuring Axis.....	X, Y, Z
Zero Bias instability (allan).....	X/Y axis: 4 μg
	Z axis: 9 μg
Cross Axis Sensitivity.....	1%
Bandwidth (adjustable).....	1000 Hz
Shock in power.....	5000 g
Vibration Rectification Error.....	<400 mg/g ²
Communication Protocol.....	I ² C/SPI
Working Temperature.....	-40~+85°C
Output Signal.....	Digital
Pack and Size.....	CLCC14, 6*6*2mm

MEMS Accelerometer Chip

Measuring Range.....	±40/±50 g
Measuring Axis.....	X, Y, Z
Zero Bias Stability (10s, 1σ) X, Y:	75 μg
Z:.....	100 μg
Scale Temperature Coefficient.....	100 ppm/°C
Bandwidth (adjustable).....	200 Hz
Shock in power.....	3000 g
Vibration Rectification Error X, Y.....	1 mg/6grms
Z.....	3 mg/6grms
Communication Protocol.....	SPI
Working Temperature.....	-45~+85°C
Output Signal.....	Digital
Pack and Size.....	CLCC14, 6*6*2mm

ACM-100/200/300 INDUSTRIAL GRADE

MEMS Accelerometer Module



Measuring Range.....	±2/±8/±40g
Measuring Axis.....	X, Y, Z
Zero Bias Stability (10s, 1σ).....	1.5/7.5/22mg
Zero Bias Temperature Coefficient (full temperature).....	0.1/0.5/1.5mg/°C
Resolution.....	1/5/15mg
Impact Resistance.....	20000g, 2ms, 1/2 sine
Anti-Vibration.....	10grms, 10~1000Hz
Communication Protocol.....	Rs232/Rs485/Rs422/TTL/CAN
Output Signal.....	Digital/Analog(current/voltage)
Pack and Size.....	Shell, 60*59*29mm
Weight.....	180g



+8618151836753



+86-18621961329



sales@memsmag.com



Huaye Tech Park, Binjiang, Hangzhou, China



www.memsmag.com



Unmanned Aerial
Vehicles



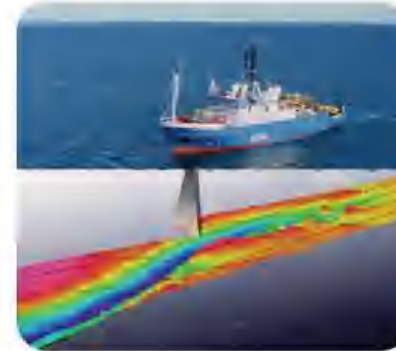
Satellites



Autonomous Vehicles



Remotely Operated
Underwater Vehicles



Maritime Echosounder
Application



Petroleum Extraction
and Exploration