

ICM-20789



Applications



Commercial Grade

Market

Wearable
IoT
Industrial
Drone
Gyroscope
Accelerometer

Axis

7-Axis

Features

Pressure Pressure

Series

ICM

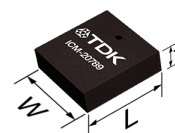
Status



Production

Comments

High Performance 7-Axis MEMS Motion Sensor and Pressure Sensor Combo



Size

Length(L)	4.00mm ±0.10mm
Width(W)	4.00mm ±0.10mm
Thickness(T)	1.37mm ±0.10mm

Electrical Characteristics

Digital Output	I ² C
	SPI
VDD Power Supply / V	1.71 to 3.45
VDDIO I/O Power Supply / V	1.71 to 1.98
Gyro FSR	±250/500/1000/2000
Gyro Sensitivity Error	±2%
Gyro Rate Noise	0.006dps/√Hz
Accel FSR	±2/4/8/16
Accel Sensitivity Error	±2%
Accel Noise	150μg/√Hz
Compass FSR	
Pressure Sensor Relative Accuracy	±1Pa
Pressure Sensor Noise	0.4Pa

Other

Operating Temperature Range	-40 to 85°C
AEC-Q100	No
Packing	Embossed (Plastic)Taping [330mm Reel, Tape width 12mm]
Package Quantity	3000pcs
Weight	0.2208g

Images are for reference only and show exemplary products.
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