

# ICM-20689



## Applications



Commercial Grade

## Market

VR  
IoT  
Drone  
Gyroscope  
Accelerometer

## Axis

6-Axis

## Features



DMP (Digital Motion Processor)

## Series

ICM

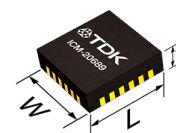
## Status



Production

## Comments

6-Axis DMP-Enabled Drone/VR/IoT solution, Targeted For All Current MPU-6000/6050 Users



## Size

Length(L)	4.00mm ±0.10mm
Width(W)	4.00mm ±0.10mm
Thickness(T)	0.90mm ±0.05mm

## Electrical Characteristics

Digital Output	I <sup>2</sup> C
	SPI
VDD Power Supply / V	1.71 to 3.45
VDDIO I/O Power Supply / V	1.71 to 3.45
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	
Pressure Sensor Noise	

## Other

Operating Temperature Range	-40 to 85°C
AEC-Q100	No
Packing	Embossed (Plastic)Taping [330mm Reel, Tape width 12mm]
Package Quantity	5000pcs
Weight	0.14g

Images are for reference only and show exemplary products.  
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