

ICM-20649



Applications



Commercial Grade

Market

Wearable
Sports
Gyroscope
Accelerometer

Axis

6-Axis

Features



DMP (Digital Motion Processor)

Series

ICM

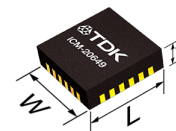
Status



Preliminary

Comments

Wide-Range 6-Axis MEMS MotionTracking™ Device for Sports and High Impact Applications



Size

Length(L)	3.00mm ±0.10mm
Width(W)	3.00mm ±0.10mm
Thickness(T)	0.90mm ±0.05mm

Electrical Characteristics

Digital Output	I ² C SPI
VDD Power Supply / V	1.71 to 3.6
VDDIO I/O Power Supply / V	1.71 to 3.6
Gyro FSR	±500/1000/2000/4000
Gyro Sensitivity Error	±0.5%
Gyro Rate Noise	0.0175dps/√Hz
Accel FSR	±4/8/16/30
Accel Sensitivity Error	±0.5%
Accel Noise	285μg/√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

! Images are for reference only and show exemplary products.

! This document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

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