

ICM-20948



Applications



Commercial Grade

Market

Wearable
Remote Controls
Gyroscope
Accelerometer

Axis

9-Axis

Features



DMP (Digital Motion Processor)

Series

ICM

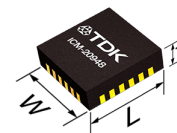
Status



Production

Comments

9-Axis MotionTracking Device



Size

Length(L)	3.00mm ±0.10mm
Width(W)	3.00mm ±0.10mm
Thickness(T)	1.00mm ±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 1.95
Gyro FSR	±250/500/1000/2000
Gyro Sensitivity Error	±1.5%
Gyro Rate Noise	0.015dps/√Hz
Accel FSR	±2/4/8/16
Accel Sensitivity Error	±0.5%
Accel Noise	230μg/√Hz
Compass FSR	±4900μT
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	0.136g

! Images are for reference only and show exemplary products.

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

! All specifications are subject to change without notice.