

ICM-42605 New Product



Applications



Commercial Grade

Market

Wearable

IoT

Accelerometer

Axis

6-Axis

Features

Series

ICM

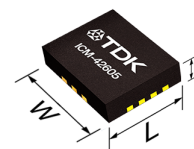
Status



Production

Comments

Low Power 6-Axis MotionTracking Device



Size

Length(L)	2.50mm Nom.
Width(W)	3.00mm Nom.
Thickness(T)	0.91mm ±0.06mm

Electrical Characteristics

Digital Output	I ² C
	I3C SM
	SPI
VDD Power Supply / V	1.71 to 3.6
VDDIO I/O Power Supply / V	1.71 to 3.6
Gyro FSR	±15.625/31.25/62.5/125/250/500/1000/2000
Gyro Sensitivity Error	±0.5%
Gyro Rate Noise	0.0038dps/√Hz
Accel FSR	±2/4/8/16
Accel Sensitivity Error	±0.5%
Accel Noise	70μg/√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	0.144g

! 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.