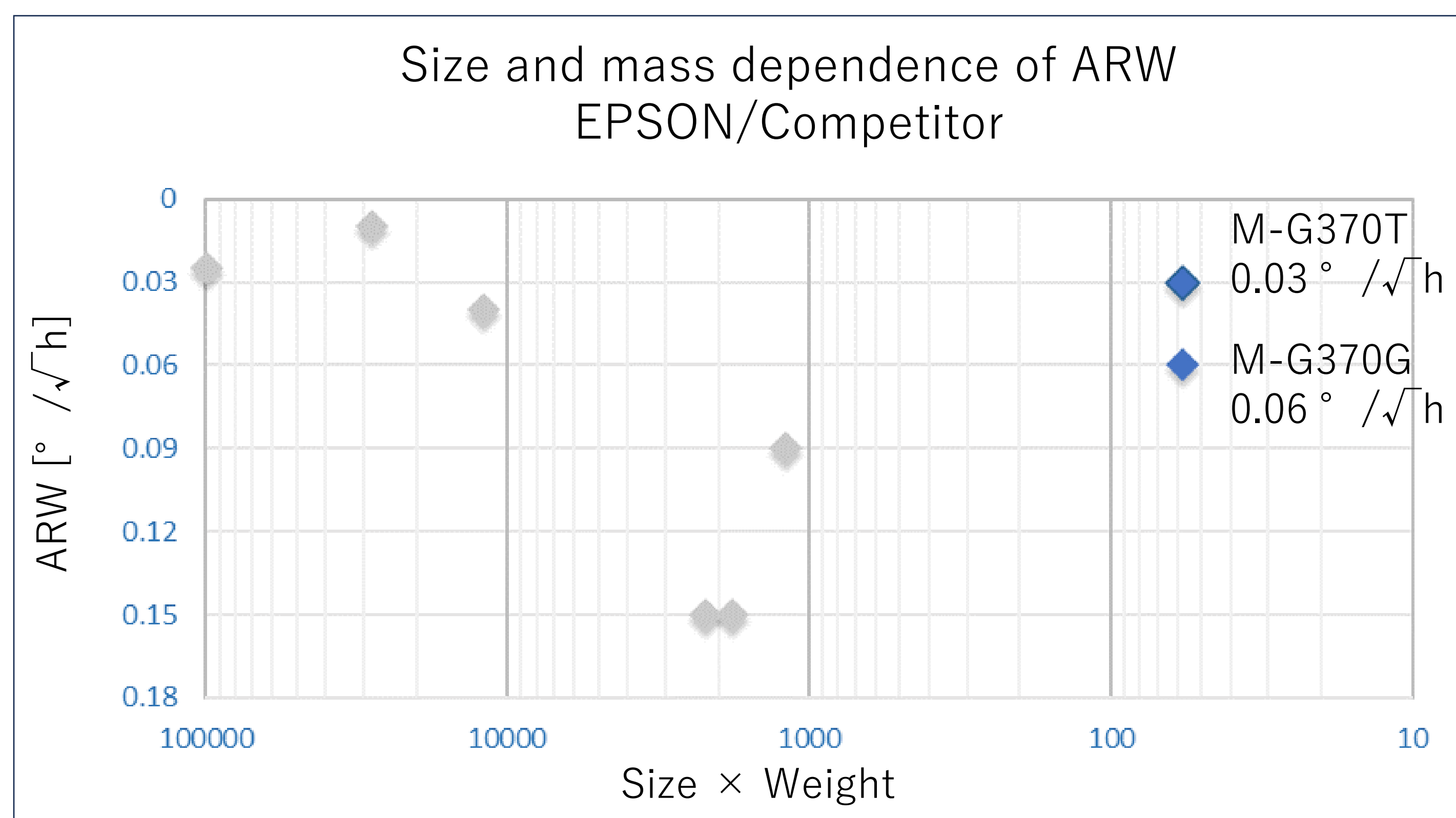


# Small, high-precision IMU with excellent SWaP-C 『M-G370PDT0』

Attitude detection in space applications such as small satellites



- Attitude detection in space with high-precision gyro and acceleration
- Efficient design with compact size , lightweight and low power consumption.

## Radiation test (TID) results

Functional Test	Total Dose [rad]	5k	10k	20k
M-G370PDT0	Powered	Passed	Passed	Passed
	Unpowered	Passed	Passed	Passed

※ **Our IMUs are Intended for industrial use.**  
These results are for reference only and do not guarantee performance in space.

## Main Specification of “M-G370PDT0”

● Gyro		
● Range	± 200 ° /h	High resolution
● ARW	0.03 ° /√h	Minimal attitude error
● BIS	0.8 ° /h	Minimal attitude error
● Bandwidth	189 Hz	Detecting wide vibration
● ACCL		
● Range	± 8,16 G (Selectable)	Selectable according to the measurement requirements
● VRW	0.02 m/s √h	Minimal attitude error
● Bandwidth	3 3 3 Hz	Detecting wide vibration
● Size	24 × 24 × 10 mm	Securing design space
● Weight	10 g	Reducing launch costs
● Power supply current	16 mA @3.3 V	Efficient use of power



## **Disclaimer**

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

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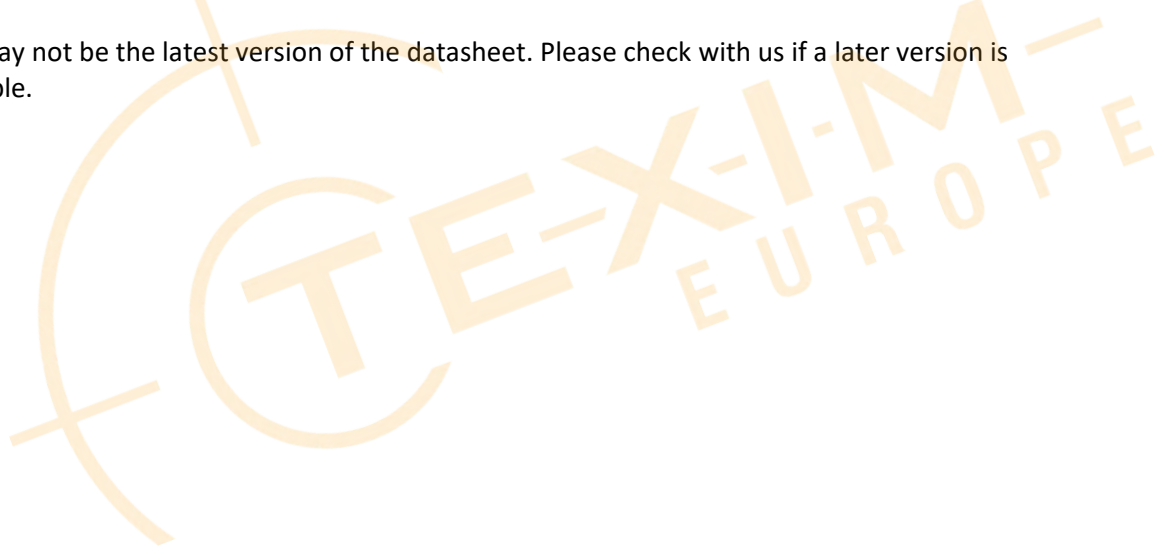
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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