STMicroelectronics A3G4250D Automotive 3-Axis MEMS Gyroscope - Reverse Costing Analysis

Description: MEMS are getting broadly adopted in the automotive industry and non-safety applications like in-dash navigation are now requiring low-cost and small footprint components.

The A3G4250D is a low power consumption MEMS gyroscope which is the first 3-axis gyroscope to have met the industry-standard qualification for automotive integrated circuits (AEC-Q100).

STMicroelectronics 3-axis gyroscope for automotive applications measures angular rates up to ±245 dps and has been designed and produced using the same manufacturing process (THELMA) than ST consumer products.

Assembled in a 4.0 x 4.0 x 1.1mm package, it embeds an 8-bit temperature sensor and operates within an extended temperature range from -40 to 85°C.

It is suitable for applications including in-dash navigation, telematics and vehicle tolling systems, motion control with MMI (man-machine interface), appliances and robotics.

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