muRata
INNOVATOR IN ELECTRONICS

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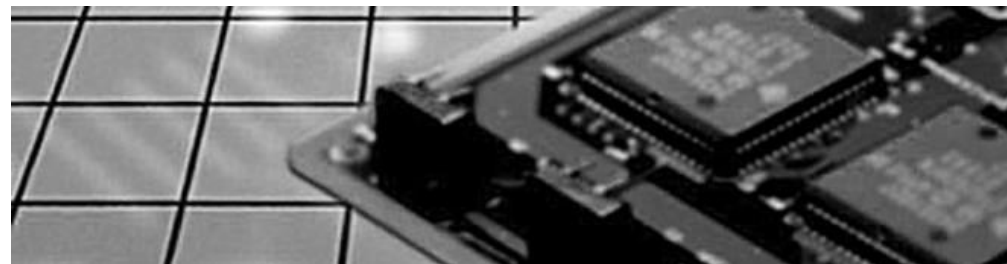Products | Applications | Design Tools | Support | About Murata | my Murata

Development Tools

Murata supplies demo kits that enable to evaluate the sensor. You can for example

- Use the demo kit as a data logger for the component evaluation
- Verify the component's functionality during the design-in phase
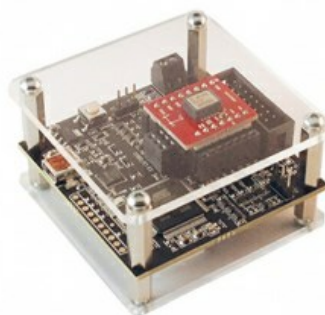- Make demo of the product features and functionality.

Murata MEMS Evaluation Unit

The Murata MEMS Evaluation Unit demonstrates the functionality and key properties of Murata's MEMS sensors. The Evaluation Board is connected to PC's USB port and operated through a Graphical User Interface (GUI) software.

The Murata MEMS Evaluation Board supports various types of Murata MEMS sensors. The MEMS sensors are connected to the Evaluation Board by using a chip carrier PCB or an external extension board. The digital accelerometers and gyroscope evaluation units are available as chip carrier PCB units and analog inclinometers as extension boards with high accuracy A/D converter. The Evaluation Board hardware is powered from a computer USB port or optionally from an external 7...15 V DC power supply.

The Evaluation Board offers an easy way to:

- Java Based Graphical User Interface, support for Windows/Linux
- Sensor output in graphical format
- Data logging with time stamps
- Data rate and average calculation configuration options
- Powered from PC USB port or optionally from external 7...15 VDC power supply

Murata MEMS GUI Software for Windows/Linux (ZIP: 7.0MB)

Interface Board
MEMS EVAL BOARD

SCC1300 Sensor Board

Digital Accelerometer
SCA8xx/21xx/31xx
Sensor Board

Analog Acc/Inclinometer
SCA10xx Sensor

-Order Information-

Order Code	Description

Inquiries

Send your inquiry ?

DESIGN TOOL ✏

SimSurfing

The software 'SimSurfing' simulates the characteristics of Murata products.

Explore this design tool ☝

Product News

> 2/15/2017
> **Murata adds 90A, PMBus™ compliant PoLs for FPGA & processor power**

> 1/25/2017
> **Murata introduces Chip inductor for NFC circuits**

> 1/23/2017
> **Commercialization of bidirectional coupler switch device suitable for impedance matching in smartphone wireless circuits**

> 1/18/2017
> **Murata introduces 0603 inch (1608 mm) size compact metal alloy type inductor DFE18SA series**

> 1/17/2017
> **Murata introduces DMH supercapacitor featuring world's lowest profile of 0.4mm**

See all related news ›

Murata MEMS Evaluation Unit User Manual ›

Order Code	Description
MEMS-EVAL-BOARD	Interface Board(no Sensor Board included)

-Sensor Board-

Order Code	Description
SCA100T-D01-PCB	2 axis Inclinometer±30°
SCA100T-D02-PCB	2 axis Inclinometer±90°
SCA100T-D07-PCB	2 axis Accelerometer±12g
SCA103T-D04-PCB	Diff.Inclinometer±15°
SCA103T-D05-PCB	Diff.Inclinometer±30°
SCA1000-N1000070-PCB	2 axis Accelerometer±4g
SCA830-D07-PCB	Digital Inclinometer±90°
SCA830-D06-PCB	1 axis Accelerometer±2g
SCA2100-D02-PCB	2 axis Accelerometer±2g
SCA3100-D04-PCB	3 axis Accelerometer±2g
SCA3100-D07-PCB	3 axis Accelerometer±6g
SCC1300-D02-PWB SCC1300-D04-PWB	X axis Gyro + 3 axis ±2g Accelerometer Combo X axis Gyro + 3 axis ±6g Accelerometer Combo
SCC2230-E02-PCB SCC2130-D08-PCB	Z axis Gyro + 3 axis ±2g Accelerometer Combo X axis Gyro + 3 axis ±6g Accelerometer Combo

Ordering Note: MEMS Evaluation Unit needs both Interface Board and product specific Sensor Board.
The same Interface Board can be used with all Sensor Board.

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Capacitor ❯

Inductors ❯

Noise Suppression Products / EMI Suppression Filters / ESD ❯ Protection Devices

Resistors ❯

Thermistors ❯

Sensors ❯

Timing Devices (Ceramic Resonator / Crystal Unit / ❯ Oscillator)

Quartz Devices ❯

Sound Components (Buzzer) ❯

Applications

Smarthome ❯

Healthcare ❯

Automotive ❯

Mobile Communication ❯

Network ❯

Data Center ❯

Lighting ❯

Industrial Equipment ❯

White Goods ❯

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EU RoHS / REACH
Approach for chemical regulation for Murata Products.

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