Information Meeting 2012

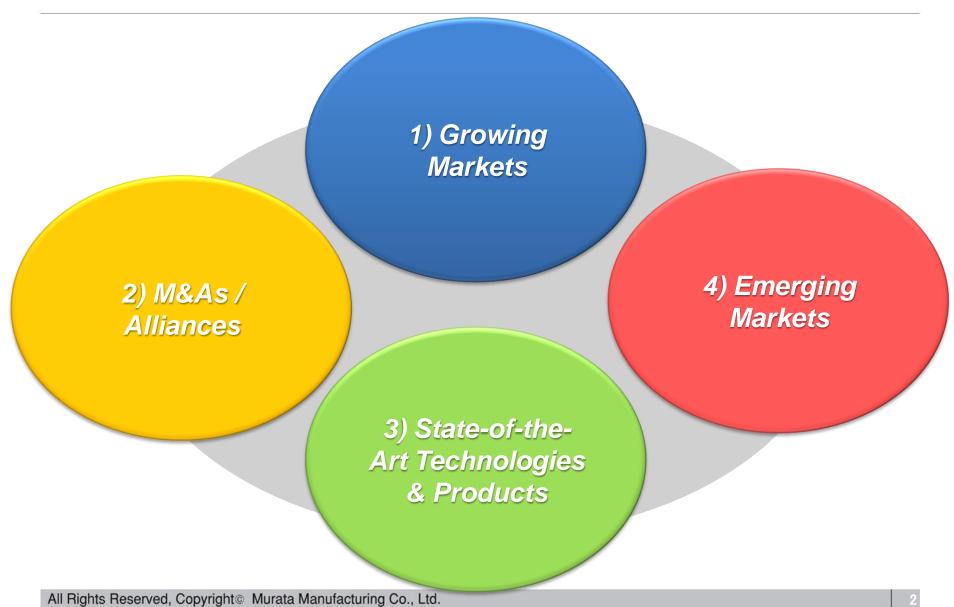
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December 7 2012 Murata Manufacturing Co., Ltd.



Murata's Focus Areas







1) Growing Markets

Growing Target Markets



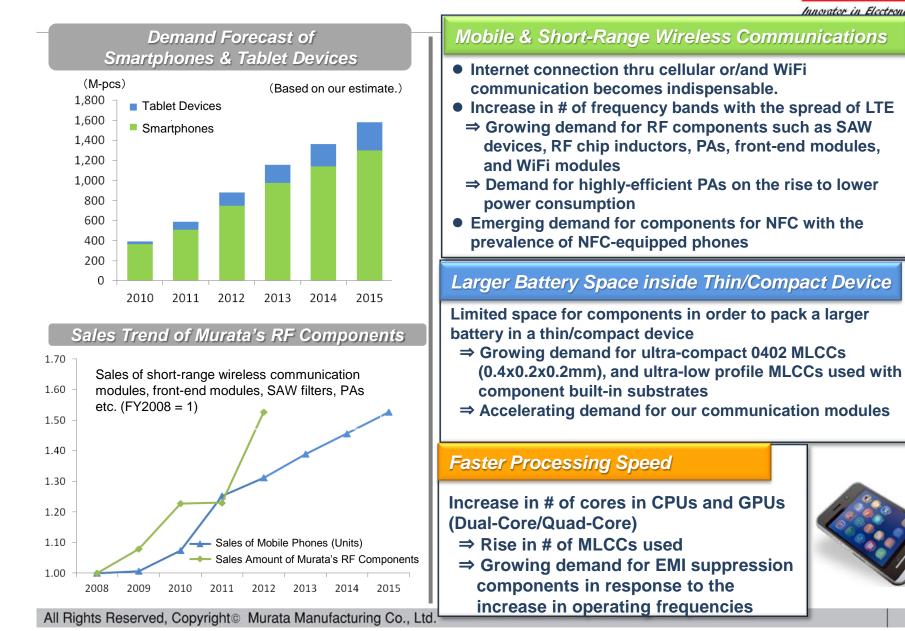


Murata is focusing on capturing new demand while reinforcing sales for the core markets such as wireless communications and computers.

Rapid Expansion of Mobile Cloud Devices



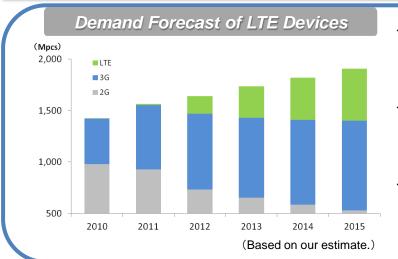
Innovator in Electron





Progress of LTE ⇒ Exploding Demand for Murata's Components





Growing LTE Markets All Over the World

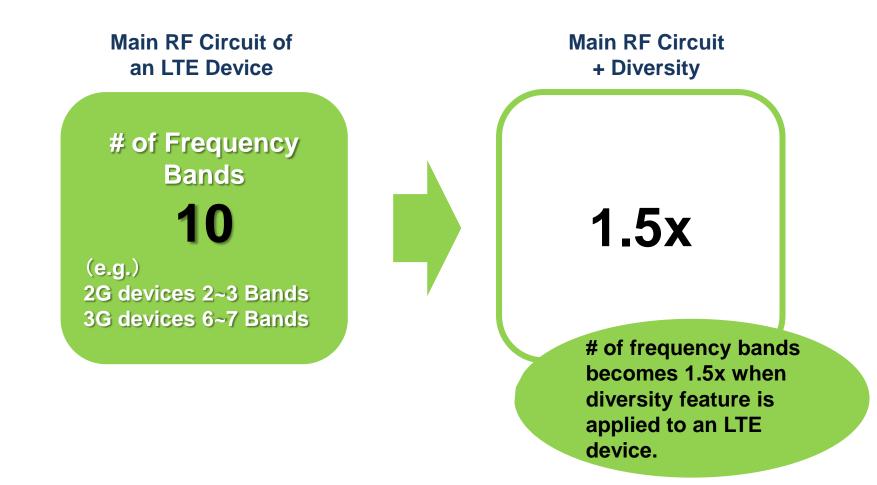
- Rising demand for LTE, highly efficient in spectrum use, with the rapid spread of smartphones
- Growing demand for Murata's high valueadded components with the demand shift to sophisticated LTE devices
- Diffusion of LTE Tablets, notebook PCs, and data cards in addition to LTE smartphones
- Increase in # of frequency bands per device with multiband connections to 2G+3G+LTE networks
 - ⇒ Rise in # of SAW devices and RF chip inductors
- 2
- Growth in # of antennas and RF circuits when diversity feature is applied ⇒ Increase in # of communication modules and connectors
- 3

Growing demand for ultra-compact components such as 0402/0603 MLCCs in response to increasing complexity of circuits

⇒ Sales expansion of ultra-compact components Murata has high market shares

More Complicated RF Circuits ⇒ Increase in # of Frequency Bands



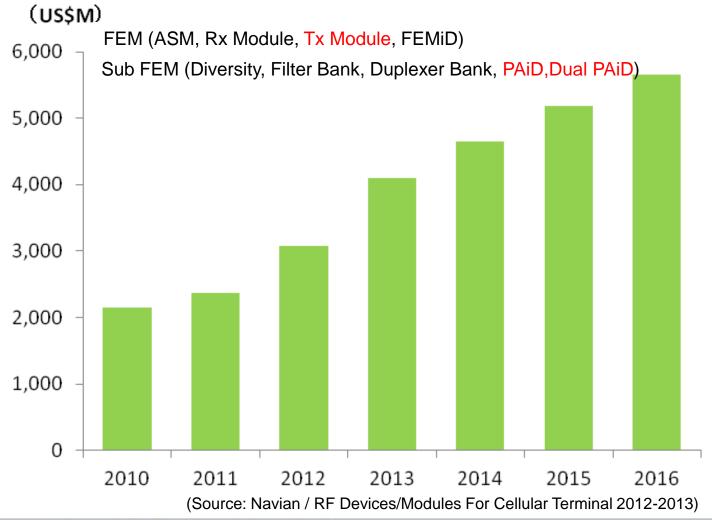


(Based on our estimate.)

More Complicated RF Circuits ⇒ Growing Demand for FEMs

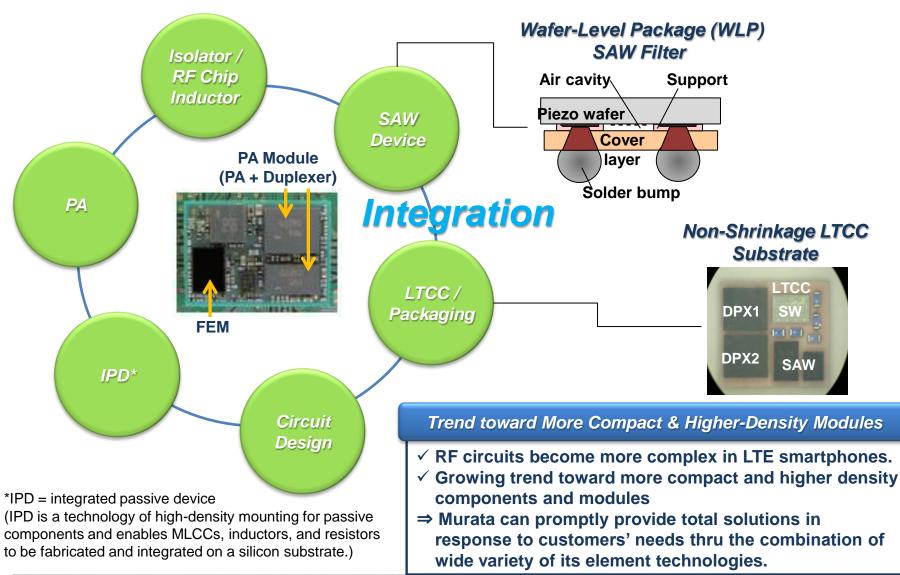


Demand Forecast of FEMs (Front-End Modules) & Sub FEMs (Sub Front-End Modules)



Murata's Strengths in FEM Market ~ Module Technologies~





Smartphones Get Smarter ⇒ Growing Demand for Murata's High Value-Added Components

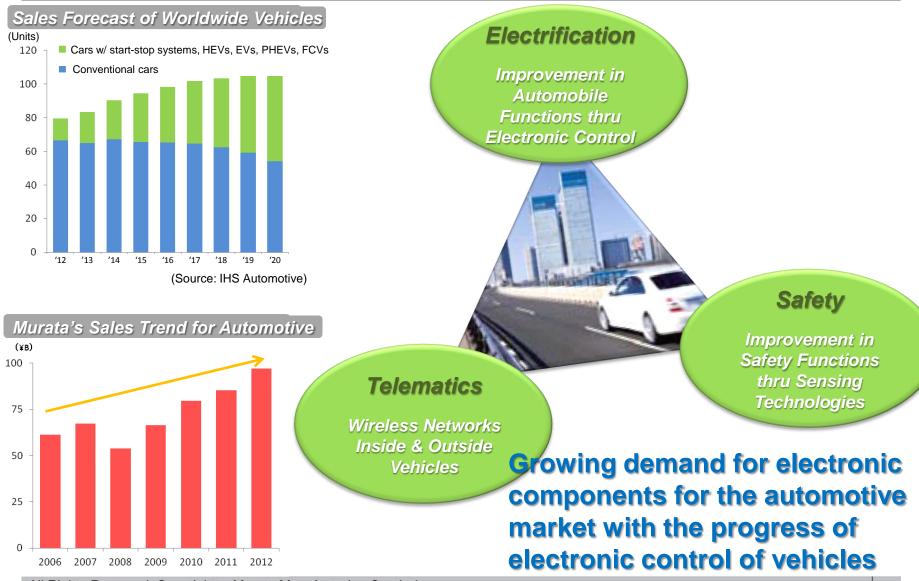


	2G Feature Phone	3G Feature Phone / Low-End Smartphone	High-End Smartphone (3G)	High-End Smartphone (LTE)
MLCC	100 to 200	300 to 400	400 to 500	500 to 700
(Ultra-Compact MLCC)	_	100 to 200	300 to 400	400 to 500
SAW Device (w/o Diversity & MIMO)	2 to 3	3 to 6	6 to 8	10
WiFi Module	_	Yes/No	Yes	Yes

	Notebook PC	Tablet Device (3G)		Tablet Device (LTE)		
MLCC	700 to 800	500 to 600		600 to 800		
(Ultra-Compact MLCC)	100	200 to 300		300 to 500		
SAW Device (w/o Diversity & MIMO)	—	6 to 8	/	10		
WiFi Module	Yes/No	Yes		Yes		
(All figures in this page are based on our estimate.)						

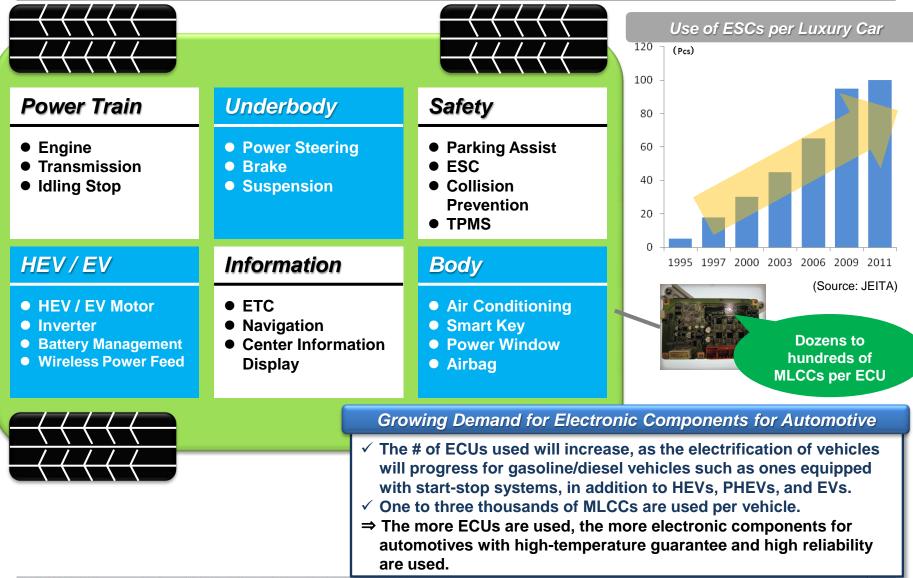
Automotive Market ~ Progress of Electronic Control ~





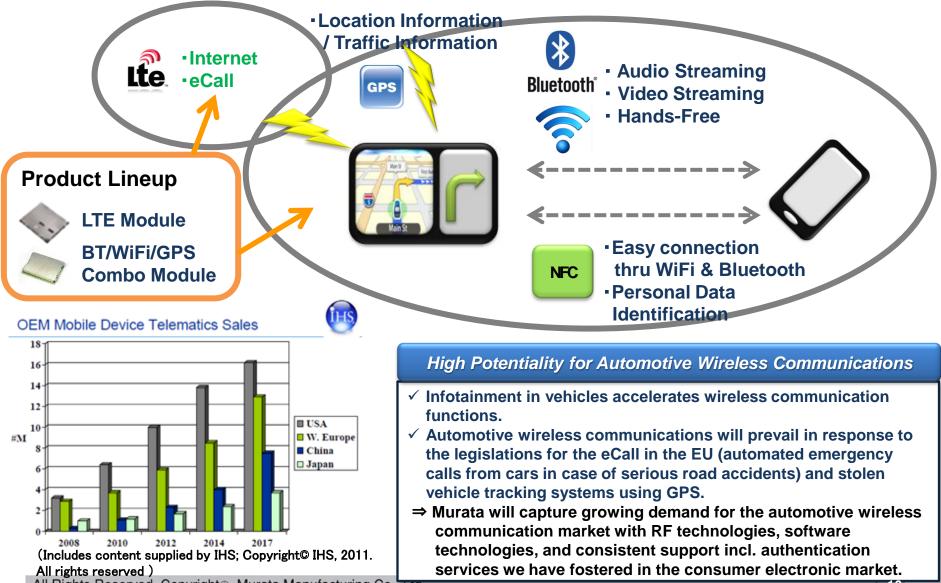
Electrification ~ Increase in Use of ECUs ~





Telematics ~ Networks Inside & Outside Vehicles ~





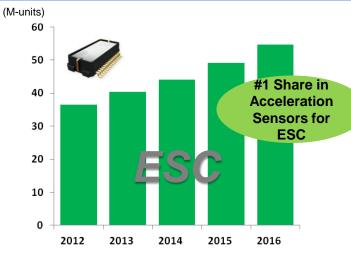
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13

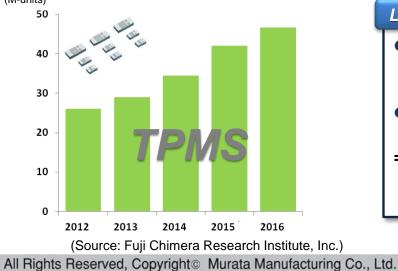
Safety ~ Improvements in Automobile Safety



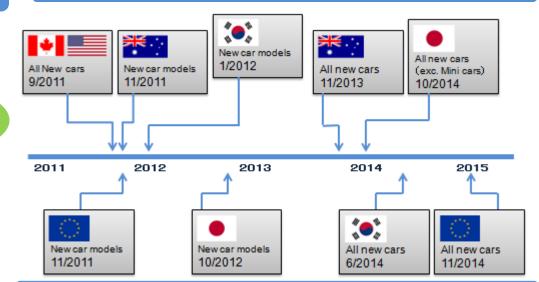




(M-units)



Legislation Schedule of ESC (Electronic Stability Control)



Legislation for Safety Features Using Sensing Technologies

- Legislations for mandatory use of ESCs are being implemented to prevent sideslip and rollover of vehicles.
- Increase in use of safety functions using sensors such as crash prevention, ABS* and TPMS*.
- \Rightarrow We will reinforce our competitiveness in high reliability and high performance MEMS sensors thru the acquisition of VTI Technologies Oy.

* ABS = Anti-lock Braking System TPMS = Tire Pressure Monitoring System

MEMS = Micro Electro Mechanical System



2) M&As / Alliances

PA (Power Amplifier) Business



Authentication Support for Platform Companies

We will strengthen support activities to realize new entries.

- ⇒ Organized a dedicated development team to build up a support system in close contact with customers.
- ⇒ Established a lab to respond to customers' requests in an expeditious way.

Development of Highly-Efficient PAs

High-efficiency in power-consuming RF circuits is #1 priority for the spread of LTE devices.

⇒ Focus on developing PAs with low power consumption

Total Solution Services

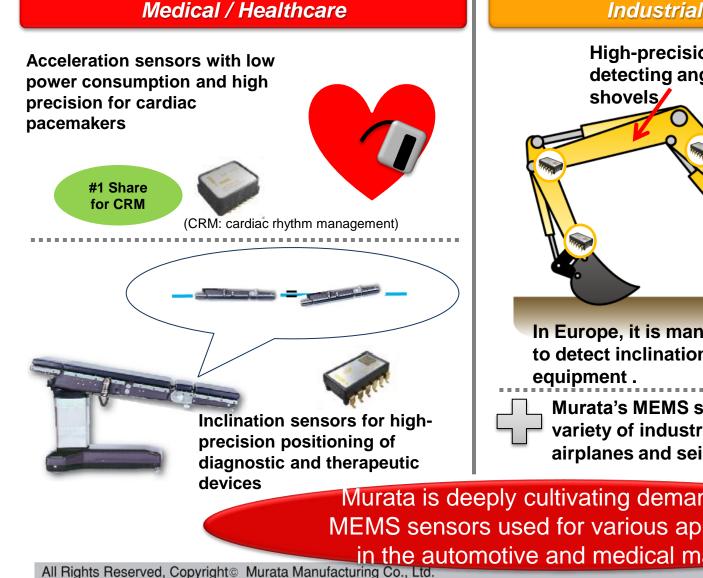
Maximizing synergies with our SAW devices, multilayer modules etc.

⇒ We can provide a wealth of solutions such as the improvement in efficiency of PAs through the integration with our competitive RF components and module technologies.

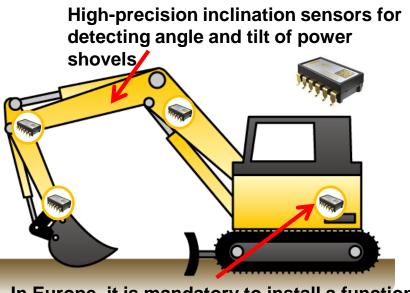


MEMS Sensor Business





Industrial Equipment



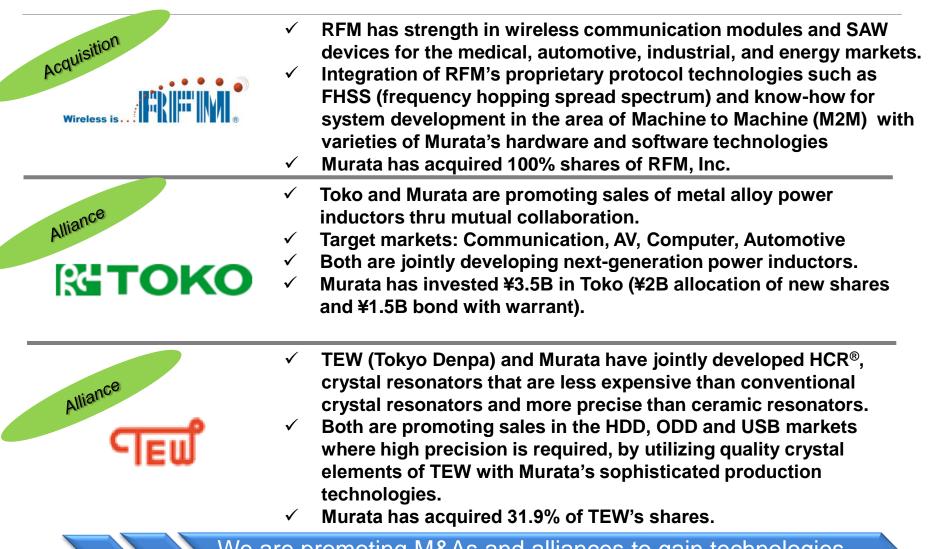
In Europe, it is mandatory to install a function to detect inclination of construction

Murata's MEMS sensors are used for wide variety of industrial equipment such as airplanes and seismic instruments.

Murata is deeply cultivating demand for its MEMS sensors used for various applications in the automotive and medical markets.

Other M&A and Alliances





We are promoting M&As and alliances to gain technologies and markets unfamiliar to us.

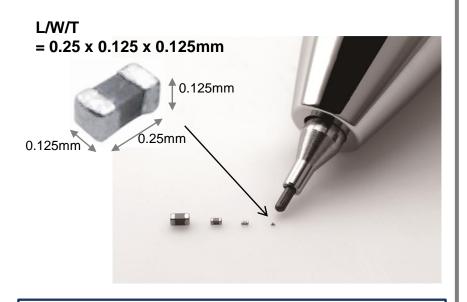


3) State-of-the-Art Technologies and Products

Top Runner in MLCCs ~ Technology Breakthrough ~

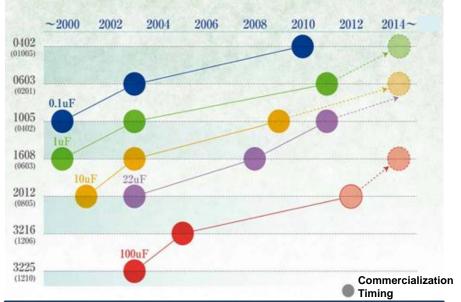






- ✓ Murata has developed the world's smallest 0201 MLCC (0.25 x 0.125 x 0.125mm).
- ✓ 75% reduction in volume compared with 0402 MLCC (0.4 x 0.2 x0.2 mm)
- ✓ Expected to provide a sample by March 2014.

Trend toward Compact & High-Capacitance MLCCs

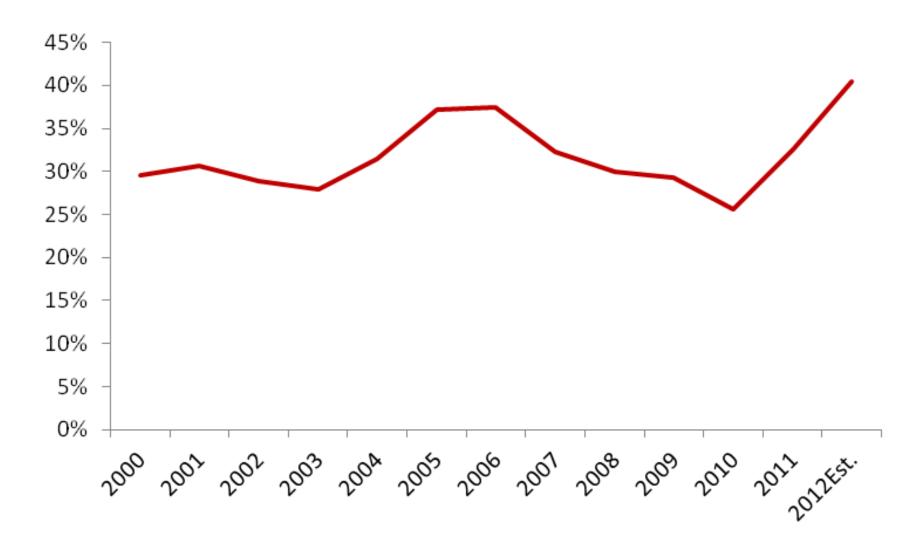


- ✓ Continued trend toward ultra-compact and high capacitance MLCCs
- We are shifting our product mix to state-ofthe-art products in order to expand valueadded.

We are pursuing trend toward ultra-compact and high capacitance MLCCs as the top runner and continuing to lead the electronics industry.

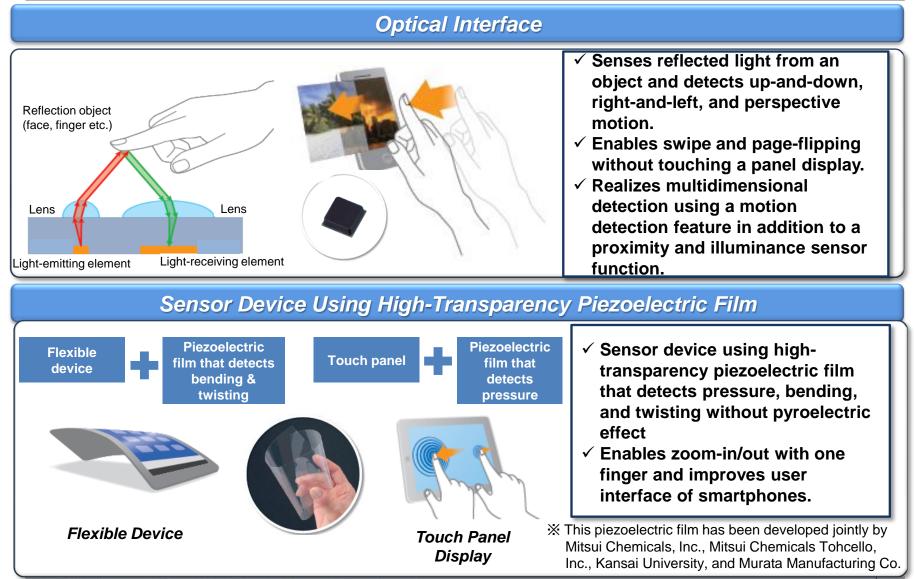
Trend of New Product Sales Ratio





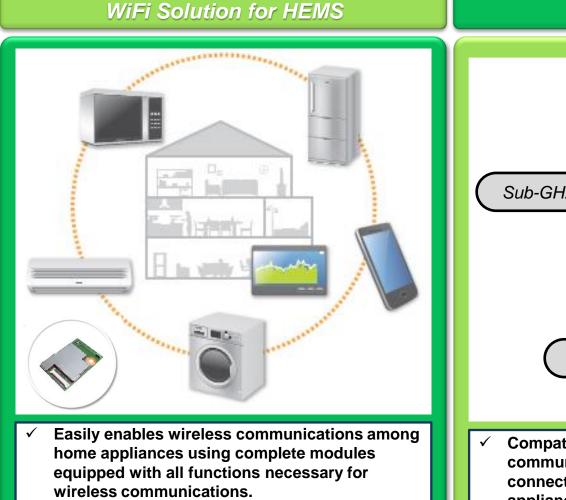
State-of-the-Art Products for Smartphones and Tablet Devices





Solutions for Energy Management





 ✓ Provides WiFi solutions most suitable for Smart House and HEMS.

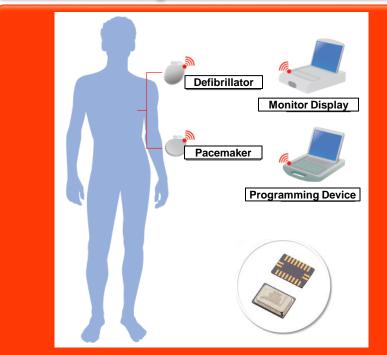


- Compatible with multiple wireless communication standards and enables connections among lighting devices, home appliances etc.
- Allows monitoring and control of home appliances from outside thru 3G or LAN.

Solutions for Medical / Healthcare Devices

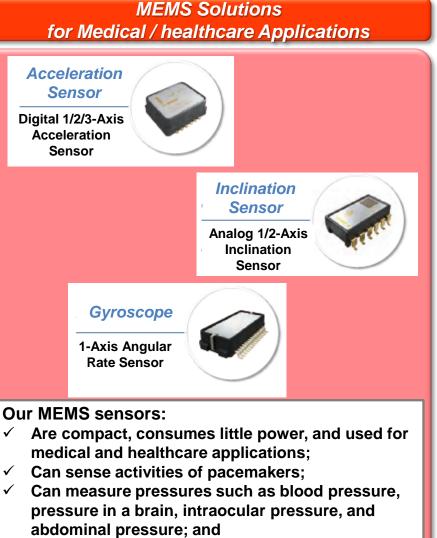


SAW-Embedded Modules for Short-Range Wireless Communication



Our SAW-embedded modules:

- Are developed by RFM, Inc., which Murata acquired in July 2012;
- Contribute to longer operating life of electronic medical equipment thru ultra-compactness and low power consumption; and
- Integrate RFIC, SAW filter, and frequency control unit and can be implanted in a human body.



 Enable high-precision positioning of surgical tables and medical imaging devices.

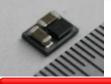
New Products



ESD* Protection Device

- ✓ Wide variety of lineup with high durability for ESD protection of antennas and terminals
 - *ESD = electrostatic discharge

Micro DC-DC Converter



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- Provides individual power to each functional circuit with the trend toward more sophisticated mobile devices.
- ✓ Can reduce mounting space drastically compared with a set of discreet components.

RFID* Device



 Readable and writable RFID chips (MAGICSTRAP[®]) and modules used for traceability
*RFID = radio-frequency identification

NFC* Device



 Provides module solutions with ultra-compact antennas most suitable for mobile devices.
*NFC = near field communication



4) Actions in Emerging Markets

Capturing Demand in Emerging Countries



Increase in Production Ratio outside Japan

- Constructed a Philippine factory in Oct. 2012 and expected to start operations in Jan. 2013.
- Continuing to shift production to China (Wuxi, Shenzhen), Thailand and Malaysia
- Increase in production ratio outside Japan (FY2010: 15% ⇒ FY2012 (est.): 25%)

Expansion of Sales Facilities in Emerging Countries

- Established sales companies in India and Vietnam.
- Established sales facilities in inland China (Chengdu, Wuhan, Chongqing, Xian)
- Focusing on exploiting demand in emerging countries.

Seizing growing demand in emerging countries where upper/middle-class population is exploding.

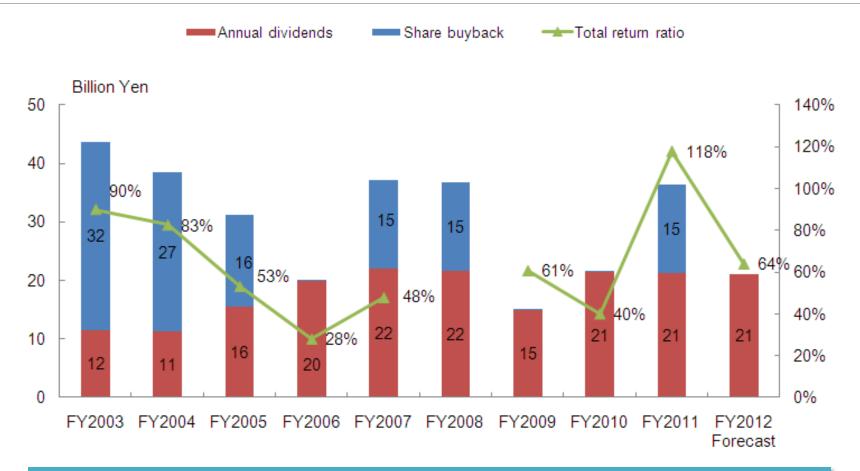
Amplification of Design Supports

- •Established a shielded room in Beijing to promote EMC solutions in China.
- Reinforcing support systems in addition to the Murata EMC Support Center in Shanghai.



Return to Shareholders





Our basic policy of profit distribution to shareholders is to prioritize the sharing of gains through payment of dividends, and to steadily raise them by increasing profit per share.



This report contains forward-looking statements concerning Murata Manufacturing Co., Ltd. and its group companies' projections, plans, policies, strategies, schedules, and decisions. These forward-looking statements are not historical facts; rather, they represent the assumptions of the Murata Group (the "Group") based on information currently available and certain assumptions we deem as reasonable. Actual results may differ materially from expectations due to various risks and uncertainties. Readers are therefore requested not to rely on these forward-looking statements as the sole basis for evaluating the Group. The Company has no obligation to revise any of the forward-looking statements as a result of new information, future events or otherwise.

Risks and uncertainties that may affect actual results include, but are not limited to, the following: (1) economic conditions of the Company's business environment, and trends, supply-demand balance, and price fluctuations in the markets for electronic devices and components; (2) price fluctuations and insufficient supply of raw materials; (3) exchange rate fluctuations; (4) the Group's ability to provide a stable supply of new products that are compatible with the rapid technical innovation of the electronic components market and to continue to design and develop products and services that satisfy customers; (5) changes in the market value of the Group's financial assets; (6) drastic legal, political, and social changes in the Group's business environment; and (7) other uncertainties and contingencies.

The Company undertakes no obligation to publicly update any forward-looking statements included in this report.



