

# Wispry RF MEMS

Reverse Costing Analysis by System Plus Consulting – January 2012

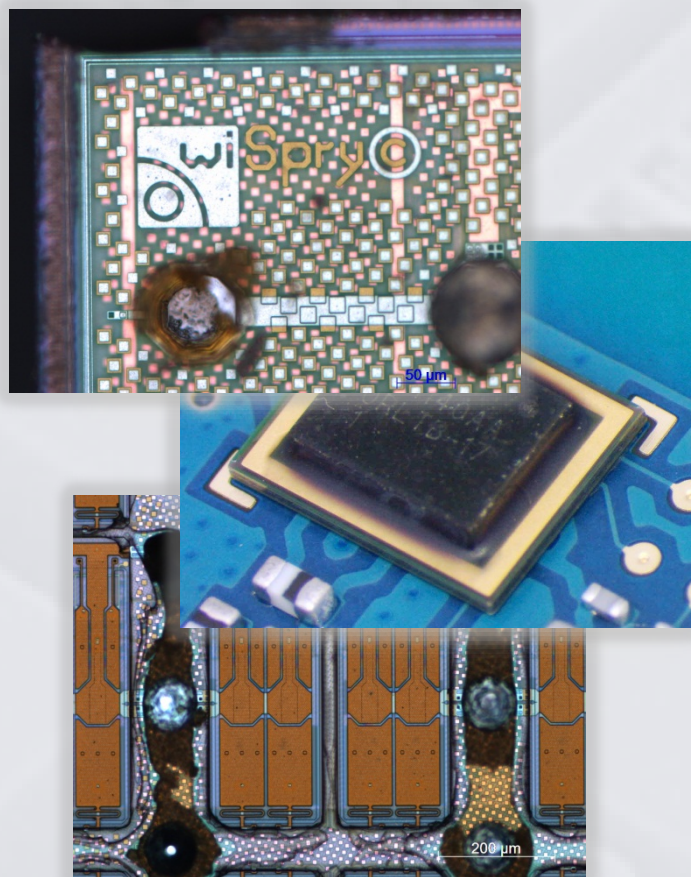
## *Physical Analysis of the Device Step by Step Reconstruction of the Process Flow Cost of Manufacturing and Estimation of Selling Price*

The market for RF MEMS in cell phone finally emerges with the first Wispry antenna tuner in high volume production! RF MEMS switches and variable capacitors are on the verge of being the next very big market for the MEMS industry.

Manufactured by IBM, Wispry MEMS element is a network of 32 variable capacitors, integrated in a plastic package (3x2x1mm) with a laminate substrate.

This report provides complete teardown of the inertial MEMS with:

- Detailed photos
- Material analysis
- Schematic assembly description
- Manufacturing Process Flow
- In-depth economical analysis
- Manufacturing cost breakdown
- Selling price estimation



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Please enter my order for "Wispry RF MEMS" Reverse Costing Analysis:

SP12076

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\*For price in dollars please use the day's exchange rate

\*All reports are delivered electronically in pdf format

\*For French customer, add 20% for VAT

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System Plus Consulting is specialized in the **cost analysis** of electronics from **semiconductor devices** to **electronic systems**. Around this main line System Plus Consulting developed a complete range of services and costing tools to provide **in-depth production cost studies** and estimation of the **objective selling price** of the product.

### COSTING SERVICES

- ✓ **On demand Reverse Costing studies** are performed on ICs, ASICs, MEMs, Power Devices, ECUs, electronic boards and full electronic systems
- ✓ **The catalog of available reports** includes cost analyzes on MEMS, Electronic components and Electronic systems (Telecom terminals, Power systems, Consumer products)

All these studies are performed using in-house developed costing tools and their technological databases.

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- ✓ IC Price+ to calculate the cost of any integrated circuit
- ✓ Power Price+ to calculate the cost of any power component or module
- ✓ SYS.Cost which is a costing tool for electronic boards and systems

#### Costing Models

- ✓ Board Assembly – System in Package – System on Chip – Memory Chip – Smart Card – Plastic Part
- ✓ Other costing models can be developed according to customer specification

#### Cost Simulation Tools

- ✓ Powerful flow builders including exhaustive databases to simulate a device processing cost
- ✓ Available now: MEMS CoSim+ • IGBT CoSim+ • SiC CoSim+ • LED CoSim+ • TSV CoSim+ • PV CoSim+ (photovoltaic)

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A non-disclosure agreement can be signed on demand.

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The Buyer is responsible for the use and interpretations he makes of the reports delivered by System Plus Consulting. Consequently, System Plus Consulting responsibility can in no case be called into question for any direct or indirect damage, financial or otherwise, that may result from the use of the results of our analysis or results obtained using one of our costing tools.

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