

Capella Microsystems CM3512

Ultraviolet Light Sensor

The first UVA/UVB light sensor using innovative resin and very compact package from Capella, Samsung's top light sensor supplier.

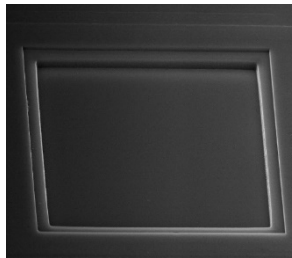
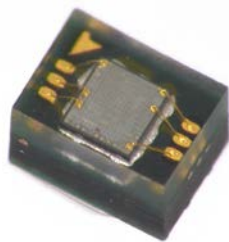
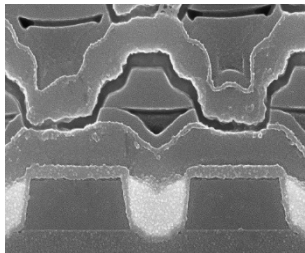
Historically known for its technological capabilities in optoelectronics and recently acquired by Vishay Intertechnology (\$205M), Capella releases its integrated UV Sensor based on Filtron™ technology to provide accurate UVA/UVB light sensing.

Apple and Samsung are the first customer of this type of device.

The CM3512 is an UV sensor equipped with a photodiode, amplifiers, and analog/digital circuits into a single chip. It is designed by CMOS process and has I²C protocol interface. The use of PCB substrate enables a very compact package.

Compared with state of the art UV Sensors supplied by Rohm Semiconductor and Silicon Labs, the new design developed by Capella is based on patented Filtron™ Technology resin which offers reliable light-filtering capabilities into a variety of polymeric substrates.

Assembled in a OPLGA 2.35 x 1.8 x 1.0mm package, the CM3512 is an advanced sensitivity UV sensor targeted for consumers applications.



REVERSE COSTING ANALYSIS

REPORT BY 

IC UV Sensor

69 pages

July 2014

Pdf file

Xls file

PRICE :

Full report: EUR 2,990

Technology report: EUR 1,990

COMPLETE TEARDOWN WITH:

- Detailed Photos
- Precise Measurements
- Material Analysis
- Manufacturing Process Flow
- Manufacturing Cost Analysis
- Selling Price Estimation

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ORDER FORM

Please process my order for "Capella CM3512 UV Sensor" Reverse Costing Analysis:

Ref.: SP14182

Full Reverse Costing report: EUR 2,990*

Technology Analysis** report: EUR 1,990

*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

** Technology Analysis report contains only Physical Analysis & Manufacturing Process Flow

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MAIL: SYSTEM PLUS CONSULTING

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44200 Nantes – France

Contact:

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Phone:

Our prices are subject to change.

Please check our new releases and price changes on www.systemplus.fr

The present document is valid 6 months after its publishing date: July 23rd, 2014.

ABOUT SYSTEM PLUS CONSULTING

System Plus Consulting specializes in the **cost analysis** of electronics, from **semiconductor devices** to **electronic systems**, and has developed a complete range of services and costing tools to provide **in-depth production cost studies** and to estimate the **objective selling price** of a 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, LEDs, Modules and Electronic systems.

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

COSTING TOOLS

« Purchaser » tools

- ✓ IC Price+ to estimate the cost of any integrated circuit
- ✓ Power Price+ for any power component or module

- ✓ PCB Price+ for printed circuit boards
- ✓ SYS.Cost for electronic boards and systems

Cost Simulation Tools, process flow based

- ✓ MEMS CoSim+ ✓ Power CoSim+
- ✓ LED CoSim+ ✓ TSV CoSim+ (thru silicon vias)

- ✓ Sapphire CoSim+

Other costing models can be developed according to customer specifications

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System Plus Consulting responsibility will not be involved in non execution or late delivery of one of its duties described in the current terms and conditions if these are the result of a force majeure case. Therefore, the force majeure includes all external event unpredictable and irresistible as defined by the article 1148 of the French Code Civil?

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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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If the dispute cannot be settled out-of-court, the competent Court will be the Tribunal de Commerce de Nantes.