Capella Microsystems CM3512 – Ultraviolet Light Sensor Technology Analysis

Description: 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.

The Technology Analysis report provides information on Physical Analysis & Manufacturing Process Flow. A full reverse costing analysis is also available, for more information please click on the link below.

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