CEL Launches New UV-C LEDs for Medical, Industrial and Consumer Sterilization and Disinfection Applications

Santa Clara – March 26, 2019 - CEL today announced a new family of Deep UltraViolet (UV-C) LEDs for a wide range of sterilization and disinfection applications including consumer goods such as self-disinfecting holders for toothbrushes and kitchen utensils as well as sterilizing wands for items such as smartphones, tablets and keyboards. Other applications include water treatment, sterilization of medical equipment and disinfection of heating, ventilation and air conditioning systems.

CEL’s UV-C LED’s features include an emitting wavelength of 275nm, which is a particularly effective wavelength in the UV-C spectrum at killing bacteria for sterilization applications. In addition, CEL’s devices provide high efficiency with long lifetimes that have been lacking in competitor offerings. For example, CEL’s 3mW output version, with a 25ma current requirement, has a lifetime exceeding 10,000 Hours. CEL LEDs consist of a cutting edge AlGaN chip in a very high thermal conductive 3.5mm x 3.5mm ceramic package with a shielded transmittance glass lid.

“The impact of this new emerging technology will be significant when you think about the numbers of potential use cases for this non-chemical solution to sterilization and disinfection. We believe our customers will use these products in innovative ways to reduce risks of exposure to harmful bacteria,” said Marc Sheade, VP & GM of CEL’s Components Business. “As even more applications emerge, we predict that the Compound Annual Growth (CAGR) rate from 2018 to 2021 will be 60%.”

This new CEL LED family includes the CL7001C3, CL7002C3 and the CL7003C2 with output powers of 3mW, 10mW and 30mW, respectively.

CEL’s UVC LEDs are available for shipment globally through Digi-Key Electronics, the worldwide electronic component distributor. For datasheets and to order, please visit CEL’s web page on the Digi-Key website: https://www.digikey.com/en/product-highlight/c/cel/uv-c-leds-for-sterilization

About CEL

CEL offers a broad selection of wireless, networking and image system components including RF/Microwave transistors and ICs, Image Signal Processors, High-speed Interface ICs, Opto-couplers, Laser diodes, Photo diodes and Power DC to DC Modules. CEL also designs and produces
MeshConnect® wireless module solutions for IoT applications. CEL has technical centers in Santa Clara, California (Silicon Valley) and Buffalo Grove, Illinois (Chicago area). CEL supports customers through direct sales offices, sales representatives and distributors worldwide, with offices in Hong Kong and Tokyo that support the Asia Pacific region. For more information, visit [http://www.cel.com/](http://www.cel.com/)

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For more information, visit [cel.com](http://www.cel.com)