

New VLMU35CL..-280-120 Long-Life Ceramic / Quartz-Based UVC Emitting Diode Features Compact 3.5 mm by 3.5 mm by 1.2 mm SMD Package

Product Benefits:

- Delivers an extremely long lifetime
- Features a compact 3.5 mm by 3.5 mm by 1.2 mm surface-mount package with a quartz window
- Emission angle of $\pm 60^\circ$
- High radiant power to 3.2 mW at 20 mA or 7.5 mW at 50 mA
- Maximum forward voltage of 6.5 V
- Wavelength range of 265 nm to 285 nm
- Forward current up to 70 mA
- RoHS-compliant, halogen-free, and [Vishay Green](#)
- Compatible with reflow soldering processes
- Features a Moisture Sensitivity Level of 3 in accordance with J-STD-020



Market Applications:

- Water and air purification, physical surface sterilization, medical disinfection, and portable sanitizers

The News:

Vishay Intertechnology is adding to its portfolio of short wavelength ultraviolet (UVC) emitting diodes with a compact new SMD device for sterilization, sanitation, and purification applications.

- Designed to replace mercury UVC lamps
- The device's quartz window eliminates the need for an external lens
- Built on AlGaIn technology
- Competing devices typically only provide forward current to 30 mA, compared to the VLMU35CL..-280-120's 70 mA

The Key Specifications:

- Typical radiant power: 3.2 mW at 20 mA; 7.5 mW at 50 mA
- Maximum forward voltage: 6.5 V at 20 mA
- Wavelength range: 265 nm to 285 nm
- Forward current: 70 mA



NEW PRODUCT INFORMATION



Product Group: Vishay Optoelectronics, LEDs / July 2019

Availability:

Samples of the new UVC emitting diode are available now. Production quantities are available now with lead times of four to six weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?80009> (VLMU35CL..-280-120)

For the latest in all things opto — articles, videos, and products — visit Vishay's Opto Squad blog site: www.vishayopto.com.

Contact Information:

THE AMERICAS

Mr. Phil Cohen
phil.cohen@vishay.com

EUROPE

Mr. Kai Rottenberger
kai.rottenberger@vishay.com

ASIA/PACIFIC

Mr. Jason Soon
jason.soon@vishay.com