



## New VLMU35CM..-280-120 Mid-Power Ultraviolet Emitting Diode With Quartz Window Delivers Extremely Long Lifetime and Radiant Power to 18 mW in Compact 3.5 mm by 3.5 mm by 1.2 mm SMD Package

### Product Benefits:

- Features a quartz window for a long lifetime
- Offered in a compact 3.5 mm by 3.5 mm by 1.2 mm surface-mount package
- Emission angle of  $\pm 60^\circ$
- Radiant power to 18 mW at 100 mA
- Forward current up to 150 mA
- Forward voltage down to 4 V
- Wavelength range of 270 nm to 290 nm
- RoHS-compliant, halogen-free, and [Vishay Green](#)
- Compatible with reflow soldering processes
- 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 introduces a ceramic mid power ultraviolet (UVC) emitting diode for sterilization, sanitation, and purification applications. Featuring a quartz window, the Vishay Semiconductors VLMU35CM..-280-120 delivers an extremely long lifetime in a compact 3.5 mm by 3.5 mm by 1.2 mm surface-mount package.

- Designed to replace mercury UVC lamps
- High radiant power without the need for an external lens
- Built on AlGaN technology

### The Key Specifications:

- Emission angle:  $\pm 60^\circ$
- Radiant power: 8 mW to 18 mW at 100 mA
- Forward current: 150 mA
- Forward voltage: 4 V to 7 V
- Wavelength range: 270 nm to 290 nm at 100 mA

### Availability:

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



## NEW PRODUCT INFORMATION



**Product Group:** Vishay Optoelectronics, LEDs / **January 2019**

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

To access the product datasheet on the Vishay Website, go to  
<http://www.vishay.com/ppg?84938> (VLMU35CM..-280-120)

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