

SMD white LEDs feature two binning versions



Vishay Intertechnology released power surface-mount white LEDs in two binning versions. For a wider range of pin compatibility with similar devices, the VLMW321xx LEDs feature three anodes and one cathode, while the VLMW322xx LEDs offer three cathodes and one anode. The devices feature a PLCC 4 package with a lead frame optimized to provide very low thermal resistance down to 300 K/W and power dissipation up to 200 mW, which in turn enables high drive currents up to 50 mA for twice the brightness of Vishay's high-intensity SMD LEDs in the PLCC 2 package. For automotive applications, the VLMW321xx and VLMW322xx LEDs are automotive qualified AEC-Q101. Silicone casting provides for a long service life. The high-intensity LEDs are intended for traffic signals and signs; interior and exterior lighting; automotive interior and exterior lighting; indicators and backlighting in household appliances, toys and games. Built on high-efficiency InGaN technology, the VLMW321xx and VLMW322xx devices provide a high luminous intensity of 1400 mcd to 3550 mcd, and luminous flux from 7000 mlm to 8900 mlm. The LEDs feature a 60° angle of half-intensity and a luminous intensity ratio per packing unit of less than 1.6, and are categorized, per packing unit, for luminous intensity and color.

Vishay Intertechnology

610-407-4800, www.vishay.com [1]

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