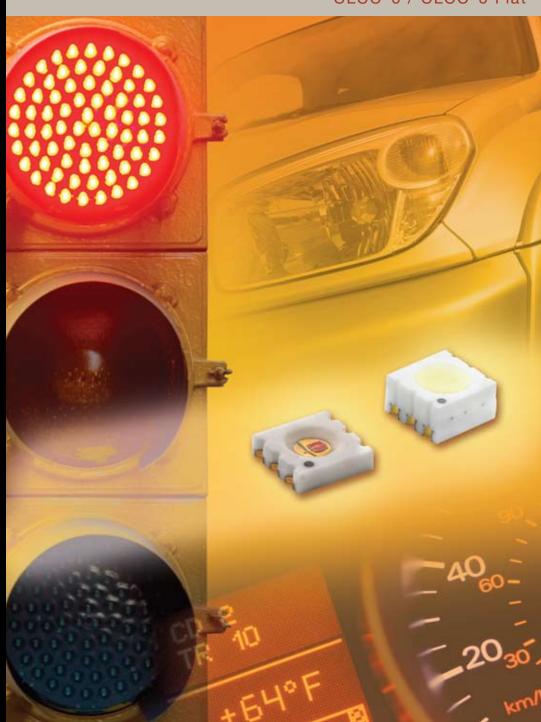


VISHAY INTERTECHNOLOGY, INC.

SURFACE-MOUNT LEDs

CLCC-6 / CLCC-6 Flat



Introduction

Vishay's high-power SMD LEDs in the CLCC-6 and CLCC-6 flat ceramic package maintain the highest-possible heat dissipation while providing the highest performance and reliability to meet the demands of power-to-optical efficiency ratios. LEDs in the CLCC-6 and CLCC-6 flat packages are the devices of choice for applications where stability, performance, and reliability cannot be compromised.

High-efficiency heat dissipation (18 W/m-K) makes the CLCC-6 and CLCC-6 flat essential for clustered or matrix designs where the cumulative heat of the LEDs becomes an important design consideration.

Applications

Automotive, Railway, and Aviation (Signal Application)

- Interior and exterior automotive lighting (brake lights, turn lights, backlighting, side markers)
- Indicator lighting
- Signal and symbol luminaires
- Marker lights
- Backlighting (LCDs, switches, keys, illuminated advertising)
- · Traffic lights
- Side markers

Consumer Electronics, Mobile, and General Indication

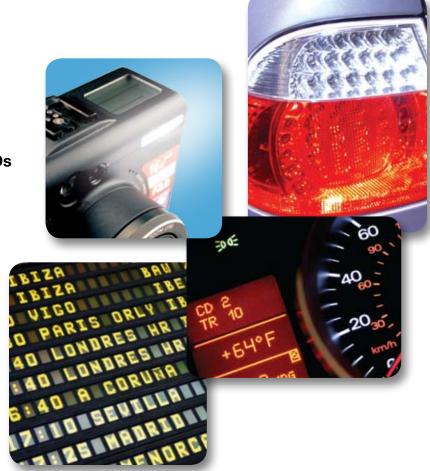
- Household appliances
- Toys/games
- VCR/DVD/stereo/audio/video devices
- Switches
- Instrumentation
- · Security equipment
- Digital cameras
- · Camera flash light
- Laptops

Illumination and Sensing with LEDs

- Signage (channel letters)
- Emergency lighting (exit signs)
- Machine vision
- Retail displays
- Flashlights
- Medical instrumentation
- · Color and money sensors
- Fiber optic communication
- Encoders
- Bar code readers
- Optical switches

LED Sign Applications

- Transportation—passenger information
- Traffic/VMS



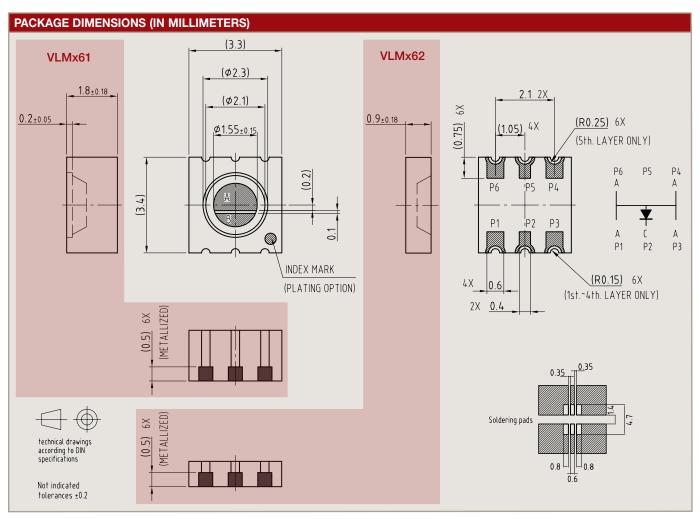
Vishay Intertechnology www.vishay.com



| PARTS TABLE | | | | | |
|----------------|-------------|------------|--------------------------|---|--------------------------|
| Product Series | Part Number | Color | Dominant Wavelength (nm) | Luminous Intensity, I _v (mcd) | @ I _F (mA) |
| CLCC-6 | VLMK61CADA | red | 612 - 624 | 2800 - 5600 | 140 |
| | VLMY61CADA | yellow | 583 - 594 | 2800 - 5600 | 140 |
| | VLMW61CADB | white | 5600K)* | 2800 - 7100 | 140 |
| | VLMW61CBEA | white | 5600K)* | 3550 - 9000 | 140 |
| | VLMW611BADA | warm white | 3500K)* | 1800 - 5600 | 140 |
| | VLMW611CADB | warm white | 3500K)* | 2800 - 7100 | 140 |
| CLCC-6 flat | VLMK62CADA | red | 612 - 624 | 2800 - 5600 | 140 |
| | VLMY62CADA | yellow | 583 - 594 | 2800 - 5600 | 140 |
| | VLMW62CADB | white | 5600K)* | 2800 - 7100 | 140 |
| | VLMW62CBEA | white | 5600K)* | 3550 - 9000 | 140 |
| | VLMW621BADA | warm white | 3500K)* | 1800 - 5600 | 140 |
| | VLMW621CADB | warm white | 3500K)* | 2800 - 7100 | 140 |

^{)* =} Color Temperature

For technical support, contact: LED@vishay.com.



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