THERMAL RESISTANCE OF CHEAP LED DIODES AND PRECISION OF CATALOGUE DATA

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ABSTRACT     Today’s LEDs are characterized by high exploitation parameters. Both light intensities and efficiencies are the highest in the comparison to other light sources. However, in many cases, parameters given in application notes are impossible to reach. In the article, some aspects of thermal energy dissipation from p-n junctions were discussed. Some methods for the measurements of the thermal resistance of LED junctions were presented. The measurement results were compared to application data.

Keywords: LED, thermal resistance