

OSRAM OSTAR: Automotive Headlamp Pro

High performance Vertical Thin Film with Vias (VTFV) dies in a new and more efficient packaging for harsh environment.

The LE UW U1A4, that belongs to OSTAR Headlamp Pro family, shows a breakdown voltage of 13.3V for a current of 1A (at 85°C) and delivers up to 1000 lumens at 5600K in a “20mm x 20mm” package. These performance are obtained due to a complex packaging and assembly process, completely described in this report.

Compared with the first generation of Osram’s packaged LED for exterior automotive headlamps, the new OSTAR Headlamp Pro comes with an enhanced design to increase the corrosion robustness and, for the first time, with a remote ceramic phosphor to increase efficiency.

This reverse costing report provides an estimation of the production cost of the LE UW U1A4. It describes the overall manufacturing process and highlights key points of innovation developed by OSRAM.

REVERSE COSTING ANALYSIS

REPORT BY 

LED

99 pages

June 2014

Pdf file + Xls file

PRICE :

Full report: EUR 2,990

Technology report: EUR 1,990

COMPLETE TEARDOWN WITH:

- Comparison of 3 headlamp packages (OSRAM gen 1 & 2 and Lumileds).
- Detailed photos and identification
- Manufacturing process flow
- In-depth economical analysis
- Manufacturing cost breakdown
- Selling price estimation

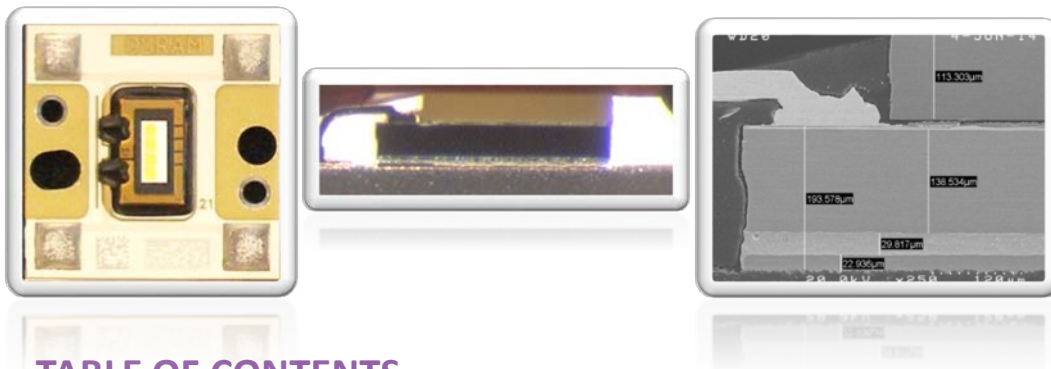


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Contact

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*For price in dollars please use the day's exchange rate

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