

CREE : CXA1520 LED Array

CREE's First High Density LED Array is based on Flip Chip dies.

High performance LED array with a luminosity x2 and a cost divided by 4 in 3 years.

The CXA1520 is the first high density LED array from CREE. With a breakdown voltage of 35V for a current of 0.5A (85°C), the CXA1520 generates 1710 lumens at 3000K with a CRI of 80% in a "15.85mmx15.85mm" package. The combination of Cree's proprietary Flip Chip SiC LEDs with high performance COB packaging offers one of the best lumen densities performance on the market.

The CXA1520 package has a very low thermal-resistance allowing for a lumen density similar to the one of discrete packaged LED but with a "lumen per \$" 30% higher (compared to equivalent package).

This reverse costing report provides an estimation of the production cost of the CXA1520-0000-000N00N430F. It describes the overall manufacturing process and highlights key points of innovation developed by CREE.

REVERSE COSTING ANALYSIS

REPORT BY 

LED

82 pages

June 2014

Pdf file + Xls file

PRICE :

Full report: EUR 2,990

Technology report: EUR 1,990

COMPLETE TEARDOWN WITH:

- Comparison of 3 LEDs (2 CREE and 1 Sharp).
- Detailed photos and identification
- Manufacturing process flow
- In-depth economical analysis
- Manufacturing cost breakdown
- Selling price estimation

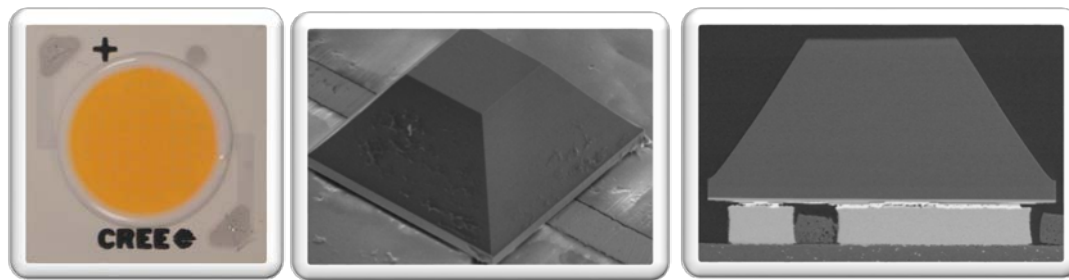


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Contact

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Ref.: SP14175

Full Reverse Costing report: EUR 2,990*

Technology Analysis** report: EUR 1,990

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

*All reports are delivered electronically in pdf format

*For French customer, add 20 % for VAT

** Technology Analysis report contains only Physical Analysis & Manufacturing Process Flow

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ABOUT SYSTEM PLUS CONSULTING

System Plus Consulting specializes in the **cost analysis** of electronics, from **semiconductor devices** to **electronic systems**, and has developed a complete range of services and costing tools to provide **in-depth production cost studies** and to estimate the **objective selling price** of a product.

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- ✓ The catalog of available reports includes cost analyzes on MEMS, LEDs, Modules and Electronic systems.

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- ✓ SYS.Cost+ for electronic boards and systems

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- ✓ MEMS CoSim+
- ✓ LED CoSim+
- ✓ Power CoSim+
- ✓ 3D Package CoSim+
- ✓ Sapphire CoSim+

Other costing models can be developed according to customer specifications

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