

# Power Integrations - Qspeed LXA20T600 600V 20A low QRR silicon Diode

Reverse Costing Analysis by System Plus Consulting – April 2011

## Physical Analysis of the Device

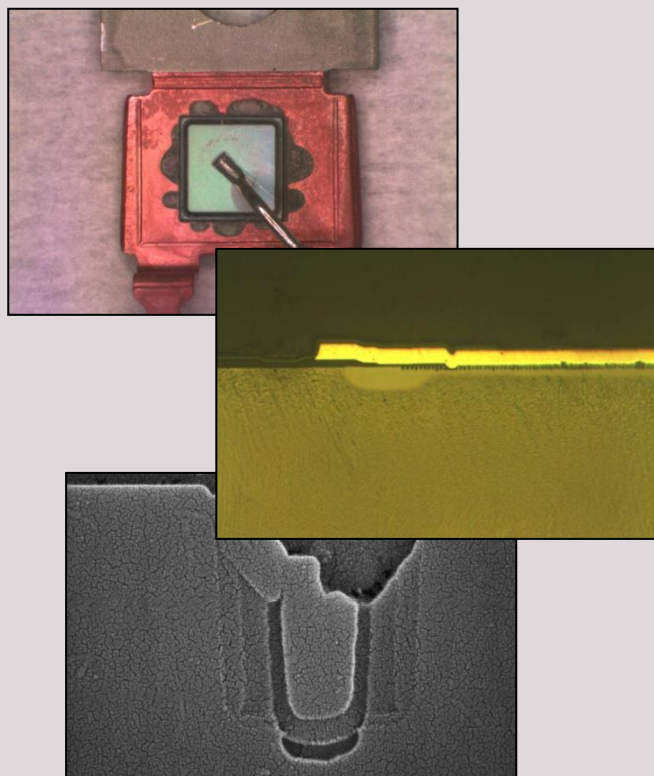
### Step by Step Reconstruction of the Process Flow Cost of Manufacturing & Estimation of Selling Price

System Plus Consulting is pleased to publish a reverse costing report on the LXA20T600 silicon power Diode from Power Integrations. The LXA diode family is the first to integrate a gate control in a diode. This 600V Diode offers a very low QRR (140nC 125°C).

Based on a complete teardown process, the report provides an estimation of the production cost as well as the objective selling price of the LXA20T600.

This reverse costing report of the first Si Diode transistor contains:

- Detailed photos
- Material analysis
- Manufacturing process flow
- In-depth economical analysis
- Manufacturing cost breakdown
- Selling price estimation



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- Site license price: ~~EURO 3,690~~ EURO 3,090 \*
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The present document is valid 6 months after its publishing date: 1<sup>st</sup> January 2012.

## ABOUT SYSTEM PLUS CONSULTING

System Plus Consulting is specialized in the **cost analysis** of electronics from **semiconductor devices** to **electronic systems**.  
Around this main line System Plus Consulting developed a complete range of services and costing tools to provide **in-depth production cost studies** and estimation of the **objective selling price** of the product.

### COSTING SERVICES

- ✓ **On demand Reverse Costing studies** are performed on ICs, ASICs, MEMs, Power Devices, ECUs, electronic boards and full electronic systems
- ✓ **The catalog of available reports** includes cost analyzes on MEMS, Electronic components and Electronic systems (Telecom terminals, Power systems, Consumer products)

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### COSTING TOOLS

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- ✓ IC Price+ to calculate the cost of any integrated circuit
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- ✓ SYS.Cost which is a costing tool for electronic boards and systems

#### Costing Models

- ✓ Board Assembly – System in Package – System on Chip – Memory Chip – Smart Card – Plastic Part
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