

Infineon – IPB60R280C6 600V CoolMOS C6 MOSFET

Reverse Costing Analysis by System Plus Consulting

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 IPB60R280C6 silicon power transistor. This MOSFET is the new superjunction structure MOSFET from Infineon. This 600V MOSFET offers a lower $R_{DS(ON)}$ (280m Ω) than the theoretical limit of silicon and enables a reduction in power consumption.

Based on a complete teardown process, the report provides an estimation of the production cost as well as the objective selling price of the IPB60R280C6.

This reverse costing report contains:

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

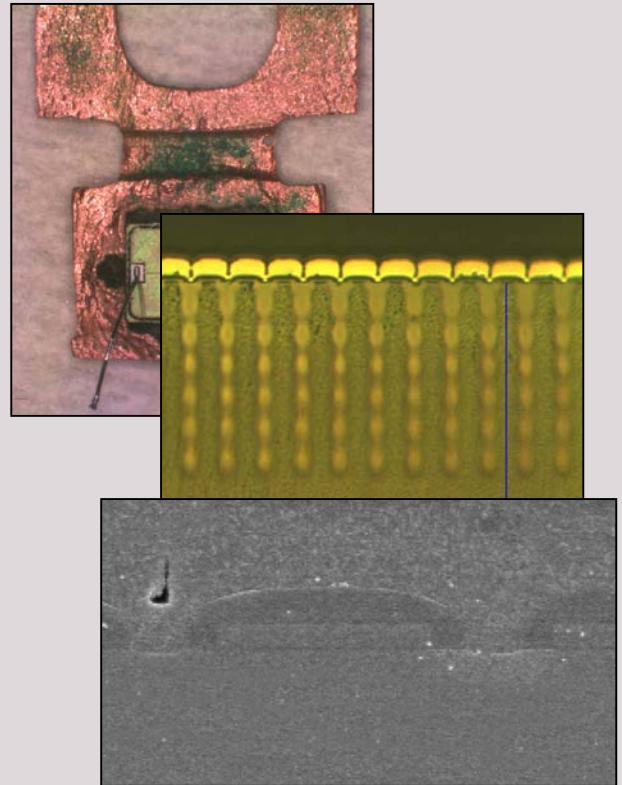


TABLE OF CONTENTS

Executive Summary			
Table of Contents			
Reverse Costing Methodology			
1. Physical Analysis	6	3. Manufacturing Cost	37
Physical Analysis Methodology		Wafer Cost data	
Package		Yields Explanation	
Die Overview		MOSFET Unprobed Wafer Cost	
Source Area		Wafer Cost per process steps	
Guard Ring		Equipment Cost per Family	
MOSFET Cell - SuperJunction		Material Cost per Family	
MOSFET Cell		Die per Wafer and Probe Test	
Polysilicon Gate Contact		Probe Test	
Guard Ring		Dicing and Package	
Back Side (Drain)		Final Test Cost	
MOSFET Structure		MOSFET Die Cost	
Multi-epitaxy		Yields synthesis	
2. Manufacturing Process	30	4. Average Selling Price	55
Process Flo		Definitions of Prices	
Wafer Fabrication Unit		Estimation of the Selling Price	
		Conclusion	59

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The present terms and conditions apply to the offers, sales and deliveries of services managed by System Plus Consulting except in the case of a particular written agreement.

Buyer must note that placing an order means an agreement without any restriction with these terms and conditions.

2. PRICES

Prices of the purchased services are those which are in force on the date the order is placed. Prices are in Euros and worked out without taxes. Consequently, the taxes and possible added costs agreed when the order is placed will be charged on these initial prices.

System Plus Consulting may change its prices whenever the company thinks it necessary. However, the company commits itself in invoicing at the prices in force on the date the order is placed.

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The quoted prices already include the rebates and discounts that System Plus Consulting could have granted according to the number of orders placed by the Buyer, or other specific conditions. No discount is granted in case of early payment.

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System Plus Consulting delivered services are to be paid within 30 days end of month by bank transfer except in the case of a particular written agreement.

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The delivery schedule on the purchase order is given for information only and cannot be strictly guaranteed. Consequently any reasonable delay in the delivery of services will not allow the buyer to claim for damages or to cancel the order.

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The transport costs and risks are fully born by the Buyer. Should the customer wish to ensure the goods against lost or damage on the base of their real value, he must imperatively point it out to System Plus Consulting when the shipment takes place. Without any specific requirement, insurance terms for the return of goods will be the carrier current ones (reimbursement based on good weight instead of the real value).

8. FORCE MAJEURE

System Plus Consulting responsibility will not be involved in non execution or late delivery of one of its duties described in the current terms and conditions if these are the result of a force majeure case. Therefore, the force majeure includes all external event unpredictable and irresistible as defined by the article 1148 of the French Code Civil?

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As a rule, all information handed by customers to system Plus Consulting are considered as strictly confidential.

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The Buyer is responsible for the use and interpretations he makes of the reports delivered by System Plus Consulting. Consequently, System Plus Consulting responsibility can in no case be called into question for any direct or indirect damage, financial or otherwise, that may result from the use of the results of our analysis or results obtained using one of our costing tools.

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Any dispute that may arise about the interpretation or execution of the current terms and conditions shall be resolved applying the French law.

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