Brochure

More information from http://www.researchandmarkets.com/reports/2167440/

Mitsubishi 6th gen CSTBT 1200V and CM450DY-24S IGBT Power Module Reverse Costing Analysis

Description:

System Plus Consulting is pleased to publish a reverse costing report on the 6th generation of CSTBT power IGBT from MITSUBISHI. Discover the first IGBT with 2 metals for the emitter, with sophisticated impurity profiles for the CS layer and P layer.

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

device, a 1200V, 150A IGBT and the CM450DY24S, 1200V 450A, half-bridge IGBT module.

Cost of Manufacturing & Estimation

This report provides a reverse costing of the POWER TRANSISTOR and POWER MODULE with:

- Detailed photos & Material analysis
- Manufacturing Process Flow
- In-depth economical analysis
- Manufacturing cost breakdown
- Selling price estimation

Contents:

Executive Summary Hypothesis Table of Contents

1. Technology Analysis of the module Power Module Dimensions Power Module Dissassembly Transistors and Diodes Wire bondings Cross-section AIN Substrate

2. Technology Analysis – IGBT Die IBGT Die Dimensions About the cross-sections Die Thickness & Gate Contact IGBT Transistor Cross-section IGBT Transistor Structure Mitsubishi CSTBT 6th generation Synthesis

- 3. Technology Analysis Diode Die
- 4. Manufacturing Process flow IGBT Process Flow Diode Process Flow AMB Substrate Process Flow Module Process Flow
- 5. Cost Analysis
 Economic Analysis Hypotheses
 5.1 IGBT
 Component Summary
 Wafer Fabrication Unit
 Back-End

Yield Summary Unprobed Wafer Cost Die Cost 5.2 Diode 5.3 Module AMB Substrate Cost Module Cost Final Test Cost Component Cost

6. Selling Price Estimation Selling Price Estimation Manufacturer Ratios Manufacturer Price

Glossary Contact

Ordering: Order Online - http://www.researchandmarkets.com/reports/2167440/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets, Guinness Centre, Taylors Lane, Dublin 8, Ireland.

Page 1 of 2

Fax Order Form

To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit

http://www.researchandmarkets.com/contact/

Order Information

Please verify that the product information is correct and select the format(s) you require.

Product Name: Mitsubishi 6th gen CSTBT 1200V and CM450DY-24S IGBT Power Module

Reverse Costing Analysis

Web Address: http://www.researchandmarkets.com/reports/2167440/

Office Code: OCRMOFFICE

Quantity

D	m	_	А			н		_	-	~	-	ts
М		u	u	u	L	L	г	u		ш	а	LS

Please select the product formats and quantity you require:

Electronic - Single User Electronic - Site License Electronic - Enterprisew	:	EURO€	2,790.00 3,390.00 4,090.00						
Contact Information									
Please enter all the information below in BLOCK CAPITALS									
Title:	Mr	Mrs		Dr 🗆	Miss	Ms	Prof		
First Name:				La:	st Name:				
Email Address: *									
Job Title:									
Organisation:									
Address:									
City:									
Postal / Zip Code:									
Country:									
Phone Number:									
Fax Number:									

^{*} Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)

Page 2 of 2

Payment Information

Pay by credit card:	American Expres	SS
	Diners Club	
	Master Card	
	Visa	
	Cardholder's Name	
	Cardholder's Signatur	
	Expiry Date	
		<u> </u>
	Card Number	
	CVV Number	
	Issue Date	
	(for Diners Club only)	
Pay by check:	Please post the check	, accompanied by this form, to:
	Research and Markets Guinness Center, Taylors Lane, Dublin 8, Ireland.	5,
Pay by wire transfer:	Please transfer funds	to:
	Account number	833 130 83
	Sort code	98-53-30
	Swift code	ULSBIE2D
	IBAN number	IE78ULSB98533083313083
	Bank Address	Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.
if you have a Marketing Code pl	ease enter it below:	

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp