Broadband High Power Amplifier

Product Name: RCA5060H37B, Code Name:

Doc. Name: General Spec.

General Specification for RCA5060H37B

1

RESTRICTION ON USE, DUPLICATION, OR DISCLOSURE OF PROPRIETARY INFORMATION

This document contains proprietary information, which is the sole property of RFcore co., LTD.

The document is submitted to the recipient for his use only.

By receiving this document the recipient undertakes not to duplicate the documents or to disclose in part of, or the whole of, any of the information contained herein to any third party without receiving before hand, written permission from the submitting company.

Created	Printed	Document Number	Revision	Manufacturer
2016/9/12	2017/2/6		С	RFcore co.,Ltd
File: RCA5060H37B General Spec.docx				

Broadband High Power Amplifier

Product Name: RCA5060H37B, Code Name:

Doc. Name: General Spec.

ELECTRICAL SPECIFICATIONS	@ 50 Ohms load, 28 Vdc, Tc ≒ 35 °C				
Parameter	Specification	Remark			
Frequency Range	5000 ~ 5350 MHz				
Saturated Output Power	37 dBm min.	@ CW, 50 Ohms load condition			
Gain	36 dB min.	Input Level = 0 dBm			
Gain Flatness	Peak to Peak 4 dB	Input Level = 0 dBm			
Maximum Input Power for no damage on DC ON	5 dBm max				
Input VSWR	Less than 1.5:1				
DC Input Voltage	28 ± 1 Vdc				
Current Consumption	1.6 A max	@ 37 dBm Pout			
	1.35 A Typ.				
RF Input Signal Format	CW				
I/O Interface(D-Sub 9Pin Male)	1. Enable(Active Low)	Pulled-up @ 5V with 10kohm			
	2. Forward Power Monitor	Logarithmic Detector(0.05V/dB)			
	3. N.C				
	4. Reflected Power Monitor	Logarithmic Detector(0.05V/dB)			
	5. Temperature Monitor	VT= 10(mV) * Tc(°C) + 500(mV),			
		Tc = Case Temperature± 5℃			
	6. Vcc				
	7. Vcc				
	8. GND				
	9. GND				

Created	Printed	Document Number	Revision	Manufacturer
2016/9/12	2017/2/6		С	RFcore co.,Ltd
File: RCA5060H37B General Spec.docx				

Product Name: RCA5060H37B, Code Name:

Doc. Name: General Spec.

ENVIRONMENTAL SPECIFICATIONS

Parameter	Specification	Remark
Operating Case Temperature	-20 ~ +70 °C	@ Baseplate
Storage Temperature	-40 ~ +85 ℃	

MECHANICAL SPECIFICATIONS

WECHANICAL SPECIFICATIONS		
Parameter	Specification	Remark
Dimension	131 * 74 * 20 mm^3	w/o connectors
Weight	Less than 400 g	
RF Input Connector	SMA Female	
RF Output Connector	SMA Female	
I/O Interface Connector	D-Sub 9Pin Male	
Cooling	Adequate Heat-sink required	

3	

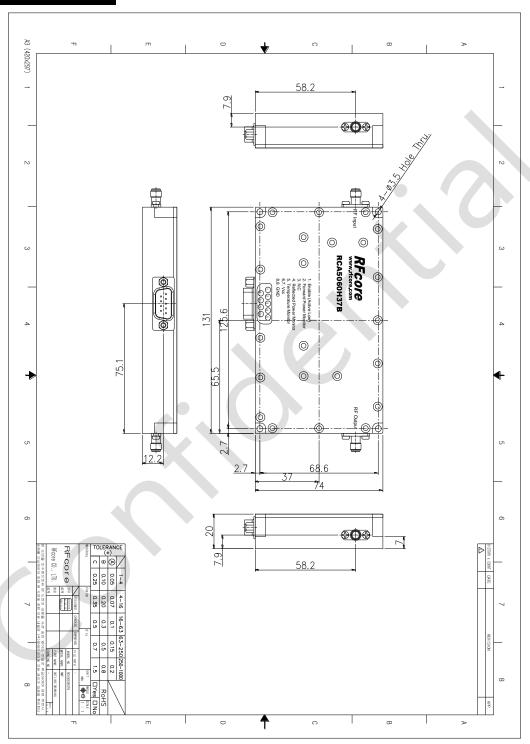
Created	Printed	Document Number	Revision	Manufacturer
2016/9/12	2017/2/6		С	RFcore co.,Ltd
File: RCA5060H37B General Spec.docx				

Broadband High Power Amplifier

Product Name: RCA5060H37B, Code Name:

Doc. Name: General Spec.

MECHANICAL DRAWING



DRAWING REFERNECE: This is subject to change without notice.

Created	Printed	Document Number	Revision	Manufacturer
2016/9/12	2017/2/6		С	RFcore co.,Ltd
File: RCA5060H37B General Spec.docx				