

Broadband High Power Amplifier

Product Name : RCA5060H37B, Code Name :

Doc. Name : General Spec.

<p style="text-align: center;">General Specification for RCA5060H37B</p>
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Created	Printed	Document Number	Revision	Manufacturer
2016/9/12	2017/2/6		C	RFcore co.,Ltd
File : RCA5060H37B General Spec.docx				

The Specifications is subject to change before finalization

Customer Service: Tel. 82-31-708-7575

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<http://www.rfcore.com>

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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 1.35 A Typ.	@ 37 dBm Pout
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°C
	6. Vcc	
	7. Vcc	
	8. GND	
	9. GND	

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ENVIRONMENTAL SPECIFICATIONS

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

MECHANICAL 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	

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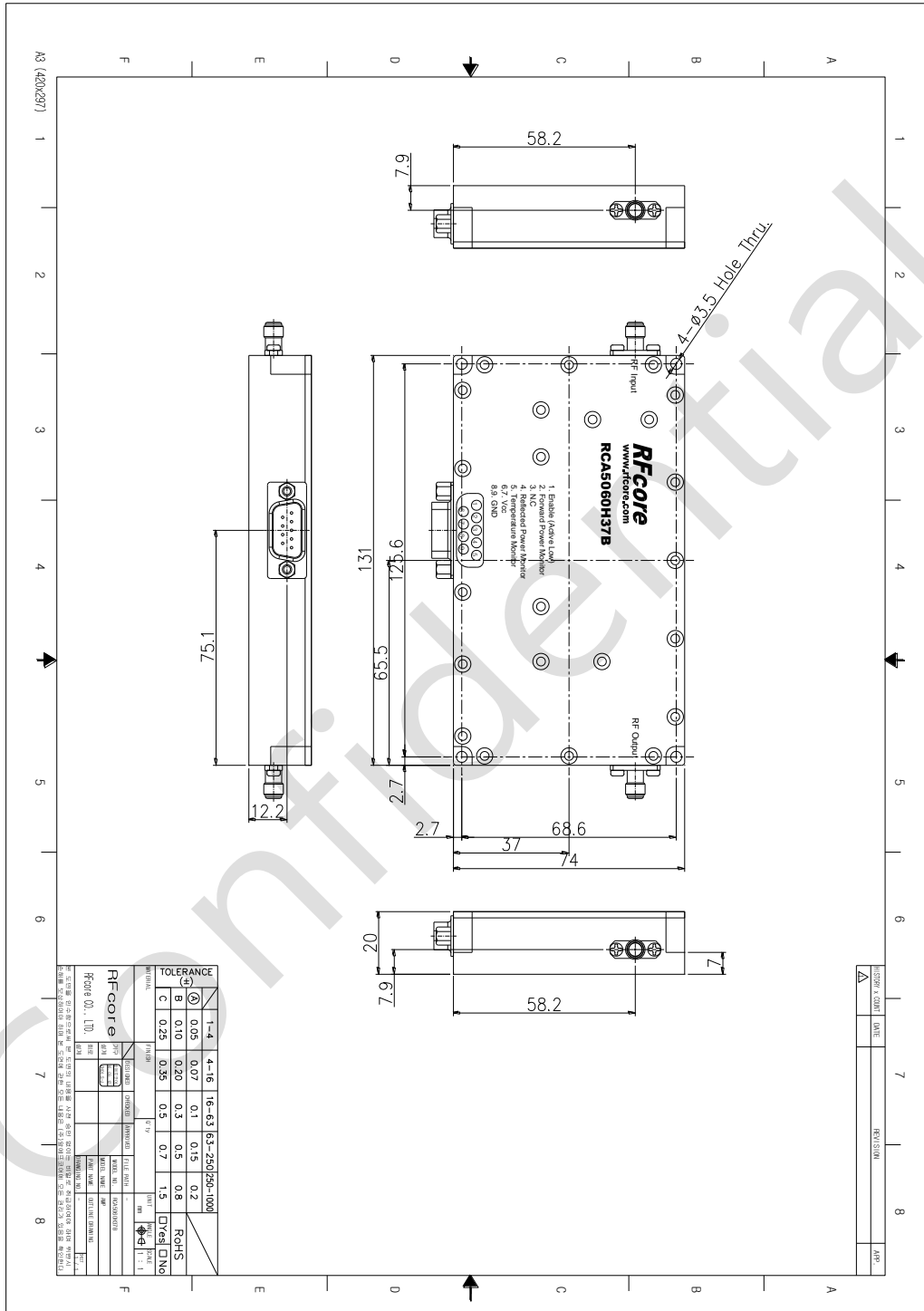
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MECHANICAL DRAWING



DRAWING REFERNECE: This is subject to change without notice.

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