

# Broadband High Power Amplifier

Product Name : RCA5060H30C0, Code Name :

Doc. Name : General Spec.

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<p style="text-align: center;"><b>General Specification</b> for <b>RCA5060H30C0</b></p>
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Created	Printed	Document Number	Revision	Manufacturer
2018/10/16	2018/11/9		B	<b>RFcore co.,Ltd</b>
File : RCA5060H30C0 General Spec.docx				

*The Specifications is subject to change before finalization*

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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 ~ 6000 MHz	
Saturated Output Power	1 W min.	@ CW, 50 Ohms load condition
Gain	27 dB min.	Input Level = 3 dBm
Gain Flatness	Peak to Peak 4.0 dB	Input Level = 0 dBm
Input VSWR	Less than 2 : 1	
Maximum load VSWR for amplifier survival	10 : 1	@ Pout = 1 W CW, Tc = 70°C
Maximum Input Power for no damage on DC ON	5 dBm	@ CW, 50 Ohms load condition
Operating Input Voltage Range	12 to 30 Vdc	
Absolute Max. Input Voltage (+28V)	32 Vdc	
Efficiency	10 % min.	@ Pout = 1 W CW, 50 Ohms load condition
I/O Interface (Micro D-SUB 9Pin Male)	1. Enable(Active Low)	Enable : 0V or GND Disable : 5V or OPEN Pulled-up @ 5V with 10kohm
	2. N.C	Do not connect
	3. N.C	Do not connect
	4. N.C	Do not connect
	5. N.C	Do not connect
	6. Vcc	12 to 30 Vdc
	7. Vcc	12 to 30 Vdc
	8. GND	
	9. GND	

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## ENVIRONMENTAL SPECIFICATIONS

Parameter	Specification	Remark
Operating Case Temperature	-40 ~ +85 °C	At a hottest point of the mechanical case of amplifier module
Storage Temperature	-40 ~ +85 °C	

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Remark
Dimension	50 * 65 * 16 mm	w/o connectors
Weight	Less than 100 g	
RF Input Connector	SMA Female	
RF Output Connector	SMA Female	
I/O Interface Connector	Micro D-SUB 9Pin Male	
Cooling	Adequate Heat-sink required	

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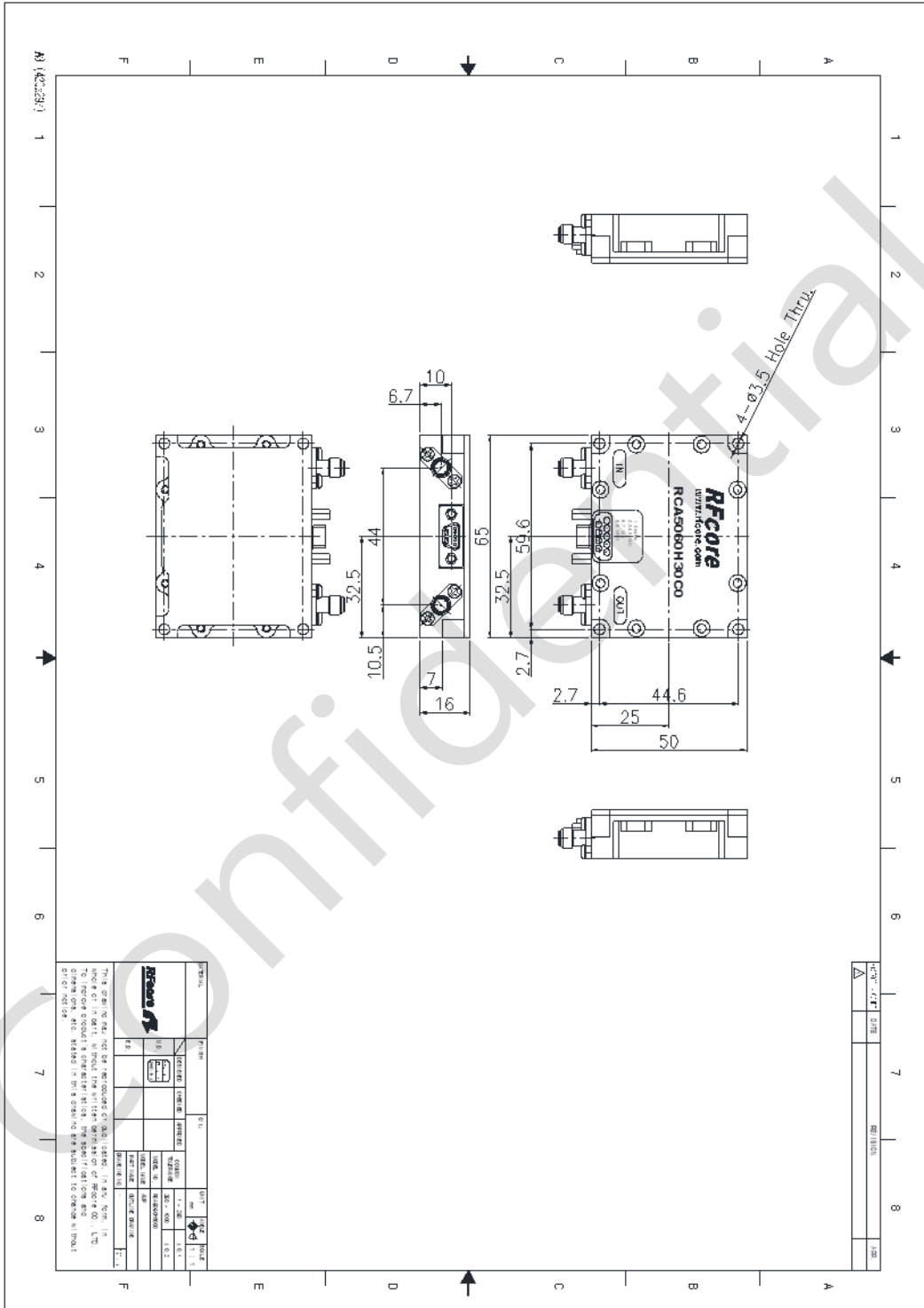
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## MECHANICAL DRAWING



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