

Broadband High Power Amplifier

Product Name : RCA0530H47D1, Code Name :

Doc. Name : General Spec.

<p style="text-align: center;">General Specification for RCA0530H47D1</p>

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Created	Printed	Document Number	Revision	Manufacturer
2016/2/16	2017/1/12		A	Rfcore co.,Ltd
File : RCA0530H47D1 General Spec.docx				

The Specifications is subject to change before finalization

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

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ELECTRICAL SPECIFICATIONS		@ 50 Ohms load, 28 Vdc, Tc = 35 °C
Parameter	Specification	Remark
Frequency Range	500 ~ 3000 MHz	
Saturated Output Power	50 W typ. 40W min.	@ CW
Small Signal Gain	48 dB min.	Input Power = -15dBm
Small Signal Gain Flatness	Peak to Peak 6.0 dB	Input Power = -15dBm
Maximum Input Power for no damage	10 dBm	
Input VSWR	Less than 2 : 1	
DC Input Voltage	28 ± 1.0Vdc	
Current Consumption	7.0 A max. 6.0 A typ.	@ Pout = 40W
I/O Interface (D-Sub 9Pin Male)	<ol style="list-style-type: none"> 1. Enable (Active Low) 2. Forward Power Monitor 3. Do not connect 4. Reflected Power Monitor 5. Temperature Monitor 6. Vcc 7. Vcc 8. GND 9. GND 	<p>pulled-up @ 5V with 10k ohm</p> <p>Logarithmic Detector(0.05V/dB)</p> <p>Logarithmic Detector(0.05V/dB)</p> <p>VT= 10(mV) * Tc(°C) + 500(mV), Tc = Case Temperature ± 5°C</p>

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ENVIRONMENTAL SPECIFICATIONS		
Parameter	Specification	Remark
Operating Case Temperature	-30 ~ +75 °C	
Storage Temperature	-40 ~ +85 °C	

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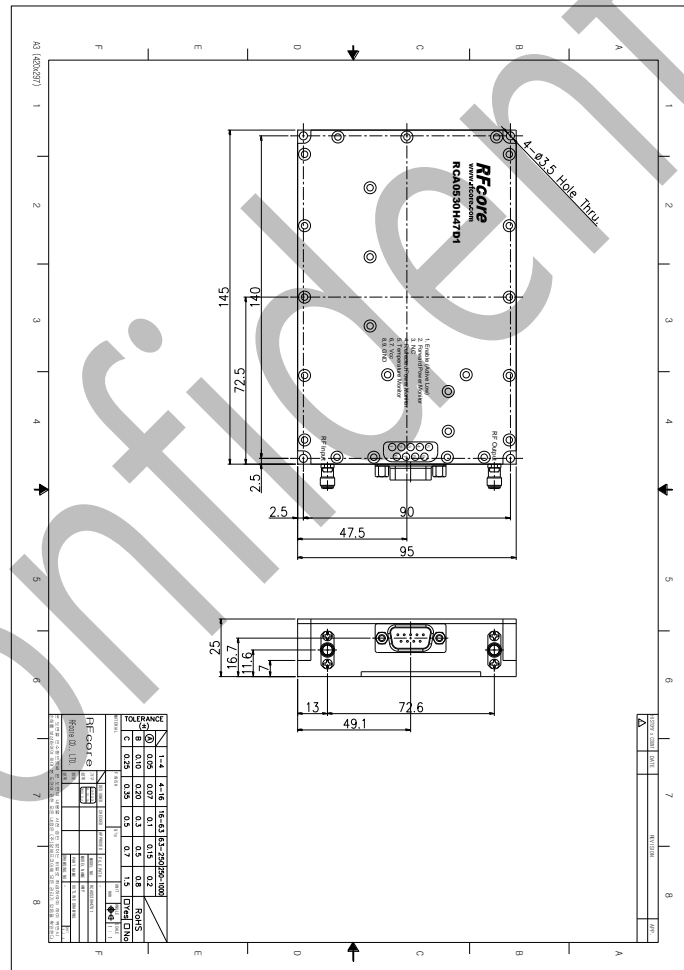
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MECHANICAL SPECIFICATIONS

Parameter	Specification	Remark
Dimension	145 * 95 * 25 mm	
Weight	Less than 650 g	
RF Input Connector	SMA Female	
RF Output Connector	SMA Female	
I/O Interface Connector	D-Sub 9Pin Male	
Cooling	Adequate Heat-sink required	

MECHANICAL DRAWING



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