

Broadband High Power Amplifier

Product Name : RCA05-30H44A

Doc. Name : Preliminary Short Spec.

**Preliminary Short Specification
for
RCA05-30H44A**

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Created	Printed	Document Number	Revision	Manufacturer
2009/11/30	2009/12/28		A	<i>RFcore co.,Ltd</i>
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The Specifications is subject to change before finalization

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Broadband High Power Amplifier

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ELECTRICAL SPECIFICATIONS

Parameter	Specification	Remark
Frequency Range	500 ~ 3000 MHz	
Saturated Output Power	25 W typical	
Small Signal Gain	48 dB typical	Input Power = -15dBm, Tcase = 35°C
Small Signal Gain Flatness	Peak to Peak 6.0 dB	Input Power = -15dBm, Tcase = 35°C
Input VSWR	Less than 2 : 1	
Maximum Input Power	5 dBm	
Signal Format	CW	
DC Current Consumption	4.0 A max	@ Pout = 25W, Tcase = 35°C
DC Input Voltage	27 ± 1.0Vdc	
I/O Map	1. Enable (Enable = 0V, Disable = 5V) pulled-up @ 5V with 10k ohm 2. Not Connect 3. Fast Back-off, 5V(Back-off by 20~30dB), 0V(Normal Gain) 4. Not Connect 5. Temperature Monitor VT = (0.02V * Temp°C)+1V 6, 7. Vcc 8,9. GND	

ENVIRONMENTAL SPECIFICATIONS

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

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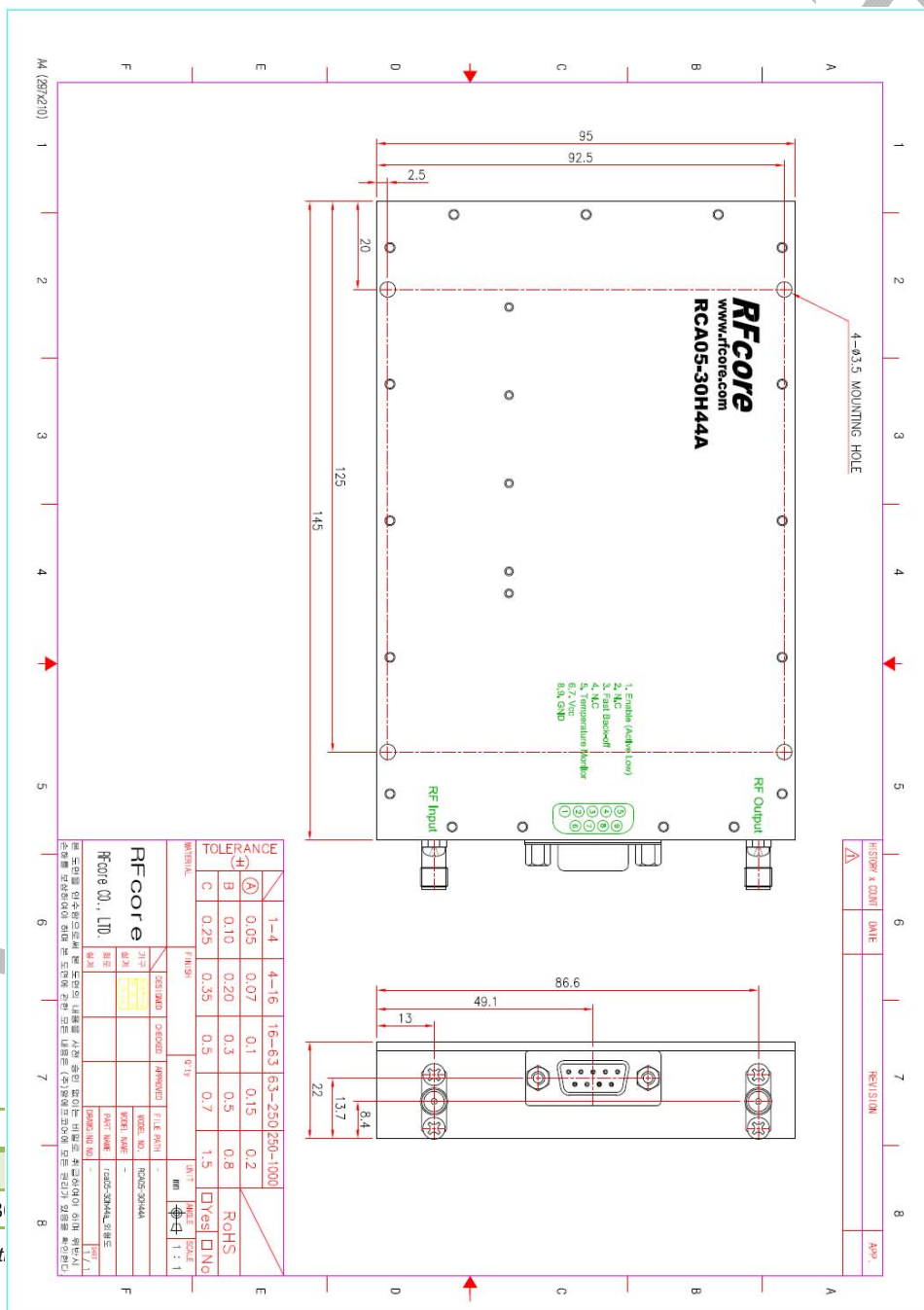
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MECHANICAL SPECIFICATIONS

Parameter	Specification	Remark
Dimension	95 x 145 x 22 mm	
RF Input / Output Connector	SMA – Female	
DC Power & Interface Connector	D-Sub 9Pin Male	

MECHANICAL DRAWING



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The Specification

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