

Band-Specific High Power Amplifier

Product Name : RCA08-10H42CW

Doc. Name : General Spec.

<p style="text-align: center;">General Specification for RCA08-10H42CW</p>
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Created	Printed	Document Number	Revision	Manufacturer
2013/1/31	2017/1/12		B	Rfcore co.,Ltd
File : RCA08-10H42CW 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	800 ~ 1000 MHz	
Saturated Output Power	42 dBm min.	@ CW
Small Signal Gain	38 dB min.	Input level = -15dB
Small Signal Gain Flatness	Peak to Peak 2.0 dB	Input level = -15dB
Input / Output VSWR	Less than 1.5 : 1	
Maximum Input Power for no damage	7 dBm max.	
DC Input Voltage	27 ± 1.0Vdc	
Current Consumption	3.0 A max. 2.2 A typ.	@ Pout = 42 dBm
I/O Interface (D-Sub 9Pin Male)	1. Enable (Active low) 2. Forward Power Monitor 3. Do not connect 4. Reflected Power Monitor 5. VSWR Fail Alarm 6,7 Vcc 8,9 GND	Pulled-up@5V with 10kΩ 4.0±0.2V@42dBm, slope : 0.1V/dB Vpin2 = 4.0-(42-Pout)x0.1±0.2V Diode Detector Alarm : Reflected power >36dBm @Fcenter

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ENVIRONMENTAL SPECIFICATIONS		
Parameter	Specification	Remark
Operating Case Temperature	-20 ~ +60 °C	
Storage Temperature	-40 ~ +85 °C	

MECHANICAL SPECIFICATIONS		
Parameter	Specification	Remark
Dimension	80 x 95 x 22 mm	
RF Input / Output Connector	SMA Female	
Control Connector	D-Sub 9Pin Male	
Cooling	Adequate Heat-sink required	

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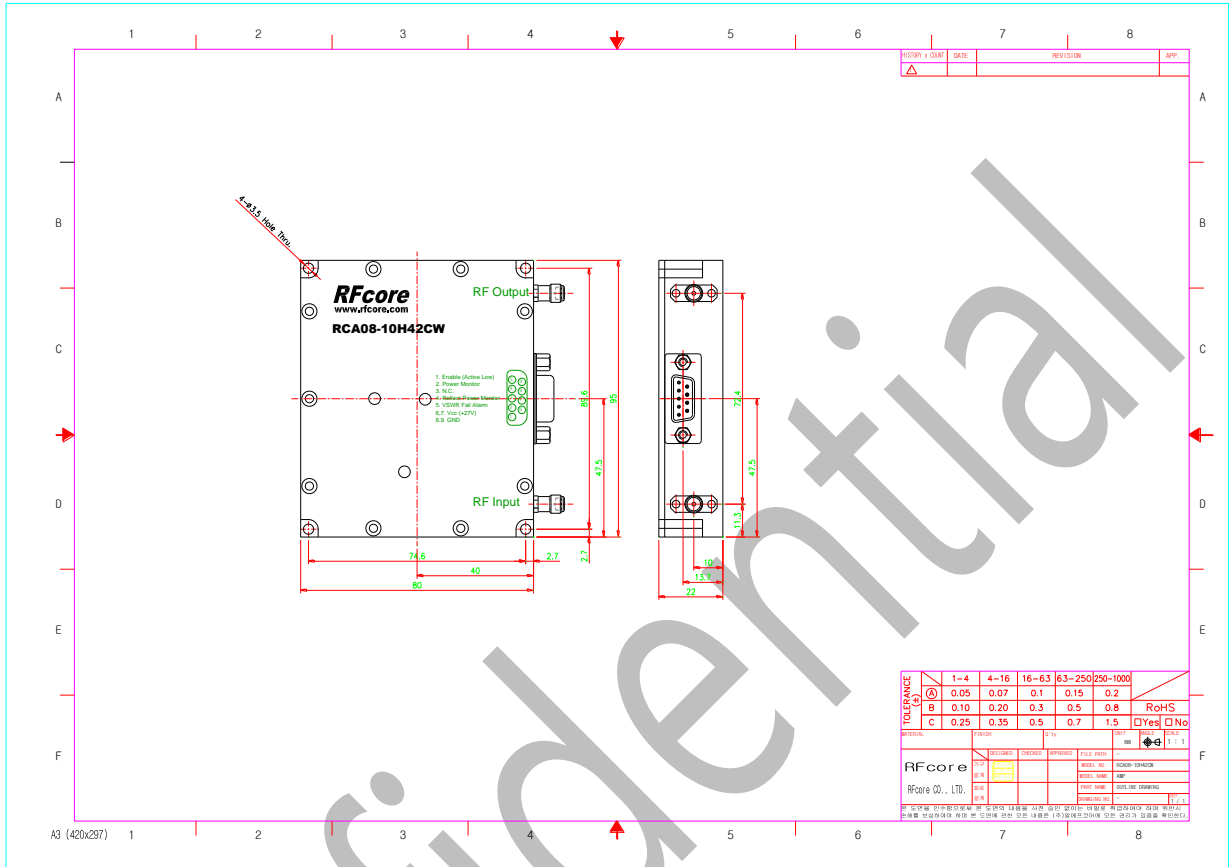
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MECHANICAL DRAWING



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