

High Power Amplifier

Product Name : RCA140155H54A, Code Name :

Doc. Name : Preliminary Spec.

<p style="text-align: center;">Preliminary Specification for RCA140155H54A</p>
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Created	Printed	Document Number	Revision	Manufacturer
2017/1/2	2017/8/7			RFcore Co.,Ltd
File : RCA140155H54A Short Spec.docx				

The Specifications is subject to change before finalization

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

Email: sales@rfcore.com

<http://www.rfcore.com>

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ELECTRICAL SPECIFICATIONS		@ 50 Ohms load, Ta = 20 °C
Parameter	Specification	Remark
Frequency Range	14.0 ~ 15.5 GHz	
Pulsed Saturated Output Power	240W Typical	Maximum PW : 20us Maximum Duty : 20%
Small Signal Gain	68dB Typical	Input = -40dBm
Gain Flatness	± 1.3dB	Input = -40dBm
Input Power for no damage	-8dBm max	
Input VSWR	1.5 : 1 typical	
AC Input Voltage	220V, 50/60Hz	
AC Power Consumption	330 @ 240W Pulsed output	20% Duty, Include power consumption of radiating fans
RF Input Signal Format	Pulse Maximum PW : 20us Maximum Duty : 20%	

I/O Interface		
Parameter	Description	Remark
D-SUB 9pin Male	2. RS232 Receive Data	remote control
	3. RS232 Transmit Data	
	5. Ground	
BNC Male	1, 4, 6, 7, 8, 9 : N.C	
	TTL pulse control signal	Active High
LCD	RF Output Power monitor	
	DC current monitor	Each internal PA MMIC
	Temperature monitor	
Keypad	Frequency selection	
Function Key	Enable/Disable	Blue : Enable
AC on/off Switch	AC on/off	Up : On

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ENVIRONMENTAL SPECIFICATIONS

Parameter	Specification	Remark
Operating Temperature	-20 ~ +50 °C	

MECHANICAL SPECIFICATIONS

Parameter	Specification	Remark
Dimension	230 x 306 x 294	
Weight	10kg(TBD)	
RF Input Connector	SMA Female	
RF Output Connector	SMA Female	
I/O Interface Connector	D-SUB Male, BNC Male	
AC Input Connector	IEC 60320 C14	
Cooling	Forced Air	

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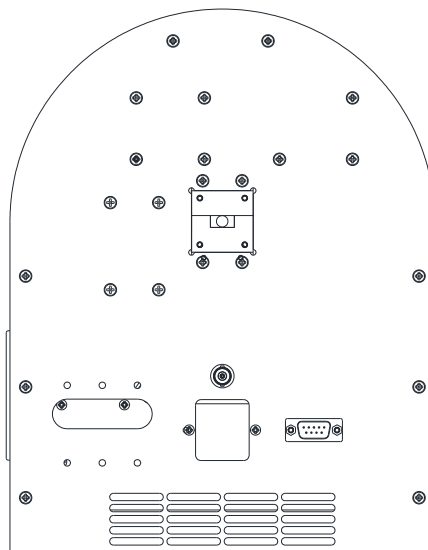
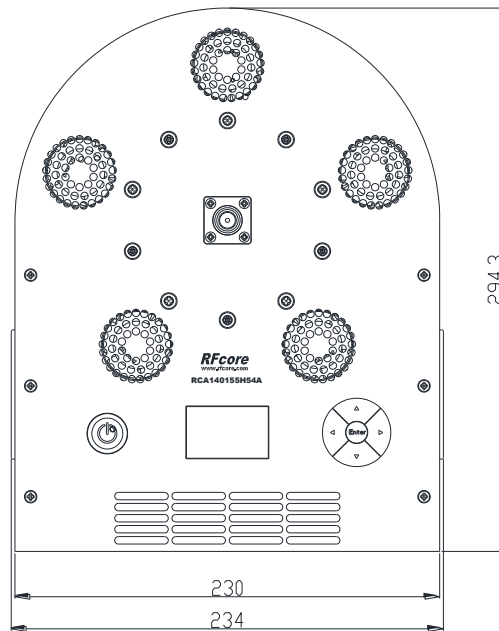
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MECHANICAL DRAWING



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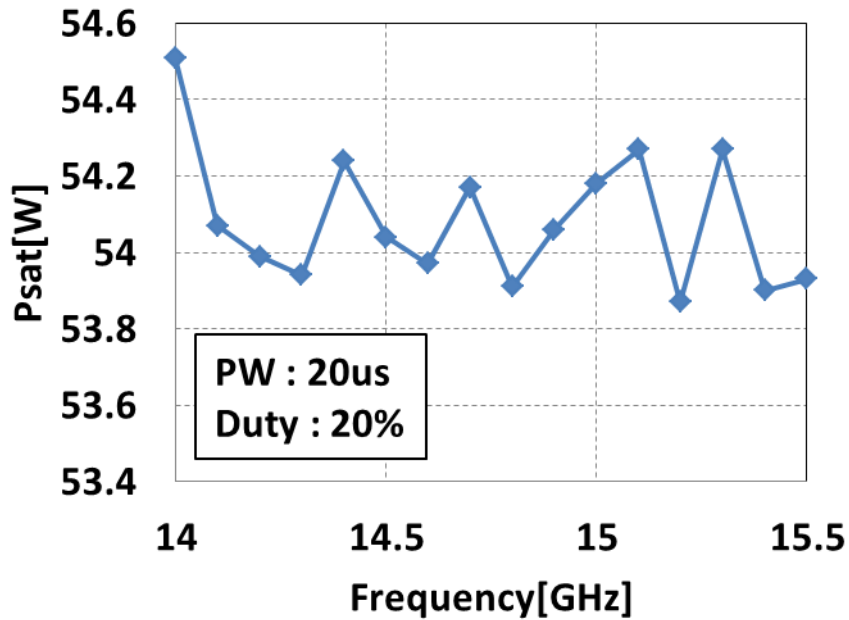
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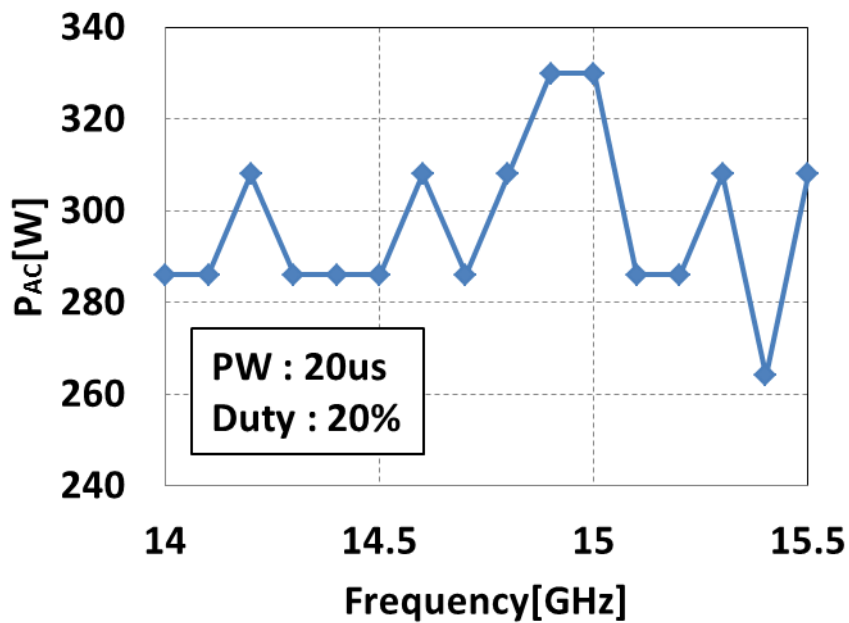
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Typical Performance Curve

Output Power



Power Consumption at Psat



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