

# Preliminary specification of 1000-3000MHz 50Watts Amplifier

## RCA10-30H47A

Item	Specification	Remark
Frequency Range	1000 ~ 3000 MHz	
Power Output (Psat)	47dBm(CW)	Tcase ≐ 35℃
Gain nominal	50dB Typical	Small Signal Gain (input = -15dBm), Tcase ≐ 35℃
Gain Flatness	Peak to Peak 5dB	Small Signal Gain (input = -15dBm), Over Freq Band
Input VSWR	Less than 2.0:1	
DC Current consumption	9A MAX [TBD]	Tcase ≐ 35℃
DC Voltage	27 ± 1.0Vdc	
SIZE (W *D*H mm)	95 x 145 x 22 mm	
Input / Output Connector	SMA Female	
Operating Case Temperature	-20℃ ~ +70℃	
I/O Map (D-Sub 9Pin M) (Optional)	1. Enable (Enable = 0V, Disable = 5V) pulled-up @ 5V with 10k ohm	
	2. Do not connect	
	3. Fast Back-off, 5V(Back-off by 20~30dB), 0V(Normal Gain)	
	4. Do not connect	
	5. Temperature Monitor VT = (0.02V * Temp℃)+1V	
	6,7 Vcc	
	8,9 GND	

