

Preliminary Specification of 1000-2000MHz 50Watts Amplifiers

RCA10-20H47A

Item	Specification	Remark
Frequency Range	1000 ~ 2000 MHz	
Power Output (P _{sat})	47dBm(CW)	T _{case} ≐ 35 °C
Gain nominal	50dB Typical	Small Signal Gain (input = -15dBm), T _{case} ≐ 35 °C
Gain Flatness	Peak to Peak 3dB	Small Signal Gain (input = -15dBm), Over Freq Band
Input VSWR	Less than 2.0:1	
DC Current consumption	7A MAX [TBD]	T _{case} ≐ 35 °C
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 °C ~ +70 °C	
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. Do not connect	
	4. Do not connect	
	5. Temperature Monitor VT = (0.02V * Temp °C)+1V	
	6,7 Vcc	
	8,9 GND	

