

Preliminary Specification of 500-2500MHz 50Watts Amplifiers

RCA05-25H47C

Item	Specification	Remark
Frequency Range	500 ~ 2500 MHz	
Power Output (P _{sat})	47dBm(CW)	T _{case} ≐ 35°C
Gain nominal	48dB Typical	Small Signal Gain (input = -15dBm), T _{case} ≐ 35°C
Gain Flatness	Peak to Peak 6dB	Small Signal Gain (input = -15dBm), Over Freq Band
Input VSWR	Less than 2.0:1	
DC Current consumption	8A Max	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. Fast Back-off, 5V(Back-off by 20~30dB), 0V(Normal Gain)	
	4. Do not connect	
	5. Temperature Monitor VT = (0.02V * Temp°C)+1V	
	6,7 Vcc	
	8,9 GND	

Mechanical Drawing

Dimension (WXDXH) : 90(W) * 145(D) * 22(H)mm

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