

Preliminary specification of 3.0~6.0GHz 25W amplifier

Model Name : RCA3060H44A

Parameter	Specification	Remark
Frequency Range	3000 – 6000MHz	Bandwidth : 3000MHz
Power Output Psat	25 W typical, 20 W minimum	@ 25 °C ambient, CW operation
Nominal Gain	51 dB ± 2 dB	@ 25 °C ambient (T.B.D)
Large signal Flatness	Peak to peak 3 dB	Pin = 0dBm
Output VSWR	Less than 2 : 1	
Maximum Input Power	+3 dBm	
Maximum Output load condition	survive with open & short at output connector	Isolator included
Input VSWR	Less than 2 :1	
DC Input	28 V	
DC Current Consumption	6A Typical, 7A Maximum	@ Pout = 20W
SIZE	180x100x28mm	
Operating Temperature	-20 °C ~ + 60 °C	
Storage Temperature	-40 °C ~ + 85 °C	
I/O and DC Pin description (D-sub 9 pin Male)	1. Enable (Active low)	
	2. Forward Power Detector	
	3. N.C.	
	4 . Reverse Power Detector	
	5. Temperature Monitor	
	6,7 : Vcc	
	8,9 : GND	
RF I/O	1. RF IN SMA Female	
	2. RF OUT SMA Female	

※ Enable Pin (1) is normally pulled up.

