

# ***RFcore Co.,Ltd***

5.1~5.9 GHz 5 W  
Power Amplifier

**RCA5159H37A**

- Size 100X75X18 mm<sup>3</sup>

## 5.1 ~ 5.9 GHz 5 W Power Amplifier

Model Name : RCA5159H37A

Parameter	Specification	Remark
Frequency Range	5.1 to 5.9 GHz ( Bandwidth : 800 MHz)	
Power Output Psat	37 dBm (5W ) typ., 36 dBm(4W) min	@ 25 °C ambient, CW operation
Small Signal Average Gain	38 dB $\pm$ 2 dB	@ 25 °C ambient
Flatness	Peak to Peak 4 dB	
Output VSWR	Less than 1.5 : 1	
Maximum Output load condition	survive with open & short at output connector	Isolator included
Input VSWR	Less than 1.5 :1	
DC Input	11V through Molex 5 pin	
DC Current	1.9 A MAX @ 4 W Idq : 1.6 A MAX	
SIZE	100 X 75 X 18 mm <sup>3</sup>	
Operating Temperature	-20 °C ~ + 60°C	
Storage Temperature	-40°C ~ +100°C	
MTBF	TBD	
I/O and DC Pin description	Molex 5 Pin (part No. 22-05-7055) 1,2. Vcc 3. Shut Down(4~5V), Enable(0~1V, Pull Down) 4,5.GND	
RF I/O	1. RF OUT SMA Female	
	2. RF IN SMA Female	

※ Shut Down Pin (3) is normally pulled up.

Mechanical Dimension

