

Specification of 1800-2200MHz 40W RFcore amplifier

Model name : RCA18-22H46CWB

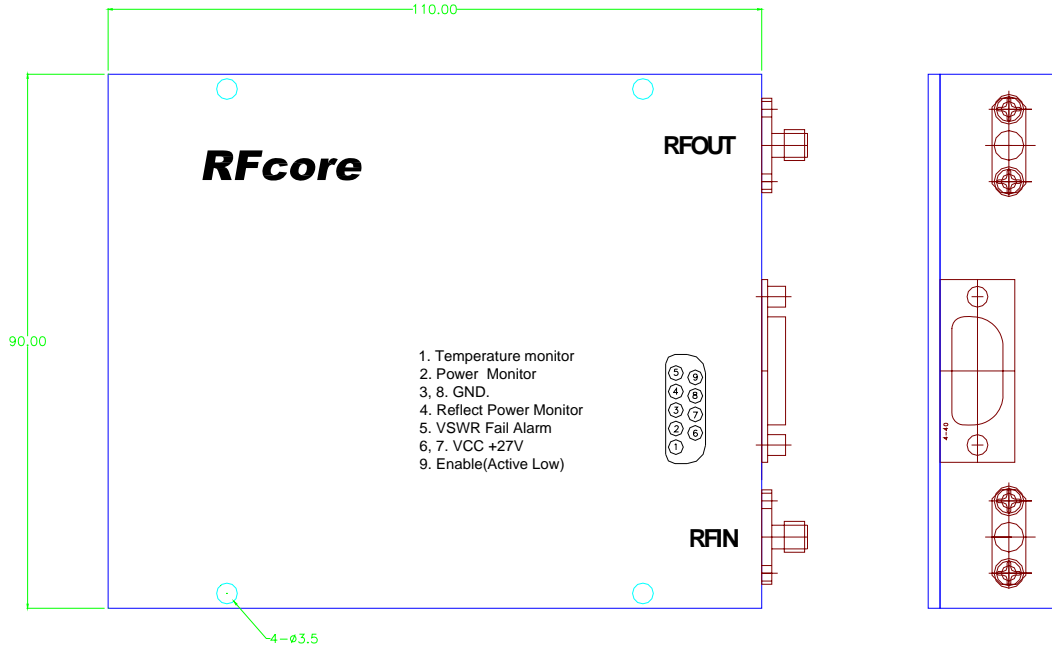
Item	Specification	Remark
Frequency Range	1800 ~ 2200 MHz	
Power Output Psat normal	46dBm (CW)	Room Temperature
Gain Norminal	45 ± 1.5 Db	
Gain Flatness	Peak to Peak 3 dB	Over Freq Band
Input/Output VSWR	Less than 1.5:1	
DC Current	4.2 A max	3.9 A Typ
SIZE (W *D*H mm)	110 * 90 * 22 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	-20℃ ~ +60℃	
I/O Map (D-Sub 9Pin M) (Optional)	1. Temperature monitor $V_T = 0.02(V) * T(^{\circ}C) + 1(V)$, T=Case Temperature ± 5℃	
	2. Power Monitor : Log Slope detector Slope 0.1 V, Typical 4 V at 46dBm output.	
	4. Reflect Power Monitor : Linear Slope Detector Vpin4 ~1.4V @ Reflected Power = 41.5 dBm	
	5. VSWR Fail alarm Vpin5 = High (5V) When Vpin4 > 1.4 ±0.1 Note: Alarm Status is not Latched. Alarm Cleared once Reflected power monitor voltage go down below 1.4 ±0.1	
	6,7 Vcc (27V)	
	3,8 GND	
	9. Enable (Active low)	

Mechanical Drawing

(WXLXH) : 110(W) X 90(L) X 22(H)mm

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Mounting hole Position

