

RCA08-10H42CW

Item	Specification	Remark
Frequency Range	800 ~ 1000 MHz	
Power Output	42 dBm (CW) Min.	
Gain	38 ± 1 dB	T.B.D.
Gain Flatness	Peak to Peak 2dB	Over Freq Band
Gain Stability	± 1.0 dB	Over Temp
In/Out VSWR	Less than 1.5:1	
DC Current	2.5 A max	
SIZE (D *W*H mm)	95 * 85 * 22 mm	
In/Out Connector	In/Out : SMA Female	
Operation Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	
I/O Map (D-Sub 9Pin M) (OptionsI)	1. Enable (Active low)	
	2. Power Monitor : Log Slope detector Vpin2-4 ± 0.1 @ CW 42dBm , slope:0.1V/dB Vpin2= 4 -(42-Pout)*0.1\pm0.1V	
	3.N.C.	
	4. Reflect Power Monitor : Linear Slope Detector Reflected Power = 37.5 ± 1.5 dBm	
	5. VSWR Fail alarm Vpin5 = High (5V) When Vpin4 > 1.0 ± 0.1 Note: Alarm Status is not Latched. Alarm Cleared once Reflected power monitor voltage go down 1.0 ± 0.1	VSWR Alarm when Reflected Power > 37.5 dBm
	6.7. Vcc (27V)	
8.9. GND		

Mechanical Drawing

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