

Band-Specific High Power Amplifier

Product Name : RCA2400H42CW

Doc. Name : General Spec.

<p style="text-align: center;">General Specification for RCA2400H42CW</p>

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File : RCA2400H42CW General Spec.docx				

The Specifications is subject to change before finalization

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ELECTRICAL SPECIFICATIONS		
Parameter	Specification	Remark
Frequency Range	2400 ~ 2500 MHz	
Saturated Output Power	15 W typical	Tcase = 35°C, CW
Gain	38 ± 1.0 dB	Small Signal Gain (input = -15dBm), Tcase = 35°C
Gain Flatness	Peak to Peak 2.0 dB	Small Signal Gain (input = -15dBm), Tcase = 35°C
Gain Stability	± 1 dB	Operating Case Temperature.
Input / Output VSWR	Less than 1.5 : 1	
Maximum Input Power	5 dBm	
DC Current Consumption	3.0 A maximum	@ Pout = 15W, Tcase = 35°C
DC Input Voltage	27 ± 1.0Vdc	
I/O Map	<ol style="list-style-type: none"> 1. Enable(Active Low) 2. Forward Power Monitor 3. Not connect 4. Reflect Power Monitor 5. VSWR Fail Alarm 6, 7. Vcc 8,9. GND 	

ENVIRONMENTAL SPECIFICATIONS		
Parameter	Specification	Remark
Operating Case Temperature	-20 ~ 60 °C	
Storage Temperature	-40 ~ 85 °C	

MECHANICAL SPECIFICATIONS		
Parameter	Specification	Remark
Dimension	95 x 80 x 22 mm	
RF Input / Output Connector	SMA – Female	
Interface Connector	D-Sub 9Pin Male	

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