

Specification for *RFcore* 20~500 MHz 100 W amplifier

Model Name : RCA002050H50C

Parameter	Specification	Remark
Frequency Range	20 to 500 MHz	
Power Output Psat	Min. 100W	@Pin=5dBm, CW
Power Output P1dB	> 47dBm	CW
Nominal Gain	50 ± 2 dB	Over Temp.
Flatness	± 2.5 dB	
Maximum Output load condition	10 : 1	Survival condition
In VSWR	< 1.5:1	
DC Input	27 ± 0.5 VDC ( EMI feed thru Pin)	
DC Current	< 13A	
In/Out Connector	In : SMA Female Out: N-TYPE Female	
SIZE	171 x 81 x 27 mm	
Operation Temperature	-10℃ ~ +60℃	@ Base Plate
Storage Temperature	-40℃ ~ +100℃	
DC Connector	EMI filter solder Pin	
I/O	RF OUT	N-TYPE_F
	RF IN	SMA_F
	Enable : TTL LOW	EMI Feed Thru PIN
	Current Sensor ( High 5V @ Upper 13A)	EMI Feed Thru PIN
	Over Temp Alarm (High 5V @ +85℃ ± 5 ℃)	EMI Feed Thru PIN

# Mechanical Dimensions

Model Name : RCA002050H50C

(WXDXH) : 171 x 81 x 27 mm

