

# Specification for 500-1000MHz 100W Amplifier

Model Name : RCA05-10H50A

Parameter	Specification	Remark
Frequency Range	500 to 1000 MHz	
Power Output @Output Connector	50 dBm	CW operation
Gain @ Fcenter	50 ± 1 dB	Small signal Gain (-15 dBm input)
Flatness	6 dB peak to peak [TBD]	(@100 W at Fcenter)
Maximum input power	10 dBm	Do not exceed 10 dBm
DC Input(3W3S)	28 VDC	Voltage at DC input Connector
DC Current @ rating output power	18A Max. [TBD]	
SIZE	180 x 210 x 25 mm [TBD]	
Operating Case Temperature	0°C ~ +70°C	Base Plate temperature
Storage Temperature	-40°C ~ +85°C	
RF I/O	1. RF OUT –N type Female 2. RF IN – SMA Female	
I/O Map (D-Sub 9 PIN F)	1. GND 2,3,4,5,7 Do not Connect 6. Enable ( High : Disable, Low : Enable ) 8. Forward power monitor 9. Reverse power Detector	

