

Specification for 1800-2200MHz 150W Amplifier

Model Name : RCA18-22H52A

Parameter	Specification	Remark
Frequency Range	1800 to 2200 MHz	
Power Output @Output Connector	150W(Psat)	CW operation
Gain @ Fcenter	55 ± 1 dB	Small signal Gain (-15 dBm input)
Flatness	5 dB peak to peak	
Maximum input power	5 dBm	Do not exceed 5 dBm
DC Input(3W3S)	28 VDC	Voltage at DC input Connector
DC Current @ output power = 150W	20A max (@Center Frequency)	Typ 18A
SIZE	170 * 250 * 28 mm	
Operation Temperature	-20°C ~ +70°C	Base Plate temperature
RF I/O	1. RF OUT –N type Female 2. RF IN – SMA Female	
I/O Map (D-Sub 9 PIN M)	1. N.C. 2. Temperature monitor (Case Temperature ±5°C) Vout = ((10mV/°C * Temp °C)+500mV) * 2 ± 100mV 3. Disable (High : Disable, Low : Enable), pulled-up @ 5V with 20Kohm 4. N.C. 5. VSWR Fail alarm (TTL High) 6. GND 7. Power Monitor : Log Slope detector Vpin7=4 ±0.2 @ CW 51.8dBm , slope:0.1V/Db Vpin7= 4 -(51.8-Pout)*0.1±0.3V 8. N.C. 9. N.C.	

Mechanical Drawing

Model Name : RCA18-22H52A

Dimension (W x D x H) : 170(W) x 250(D) x 28(H)mm

