

Solid State Power Amplifier 100W (SSPA)



M O D E L
CF-HPA100-DTA1

DESCRIPTION

DTA offers the model of Solid State Power Amplifier CF-HPA100-DTA1, designed to provide the highest performance for satellite uplink applications. Its great linearity, protections and control options gives to this equipment the desired flexibility on the SATCOM ground stations

FEATURES

- 100 W Linear Power
- Wide Bandwidth
- 85 dB Gain typical
- Broad gain adjustment, 65 dB to 85 dB in 0.25 dB steps
- Input Overload Protection
- Over-temperature, over-current and high output VSWR safety protection
- Output Power Metter
- Forward and reflected power internal monitor
- Switch Mode Power Supply
- Ethernet Interface
- Remote control via Web Browser
- Local control via front panel keyboard
- Local control by PC via the RS-232 connection
- Microprocessor-based monitor and control system
- Can operate in a redundant configuration



ELECTRICAL SPECIFICATIONS

Frequency range :	2000 a 2120 Mhz
Output power (at 1dB compression) :	100 watts CW
Gain :	>85 dB
Gain Adjust Range :	20 dB
Gain Step :	0.25 dB
Output Impedance :	50 ohms
Input VSWR :	< 1.5:1
Admisible output VSWR :	< 2:1
nominal Input Power :	- 35 dBm

GENERAL SPECIFICATIONS:

RF Input Connector :	N female
Input Impedance :	50 ohms
RF output Connector :	N female
Primary power :	220 Vac +/- 10% 50 Hz
Cooling :	forced

PHYSICAL:

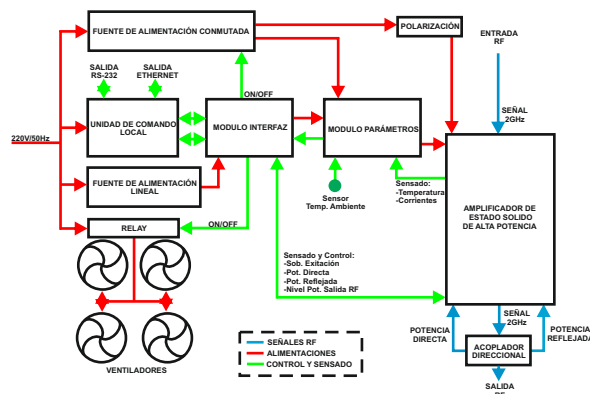
Chasis :	25.59" x 13.78" x 12.20" Rackable
Weight :	22 kg
Shipping Weight:	40 Kg

ENVIROMENTAL:

Ambient operating temperature :	0 °C to 40 °C
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All specifications are subject to change without notice.

BLOCK DIAGRAM



HEADQUARTERS

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