

1.8 – 2.2 GHz 50W AMPLIFIER

- 50 W OUTPUT POWER
- CLASS “A” OPERATION
- FORWARD POWER MONITOR
- REVERSE POWER MONITOR
- OVER-TEMPERATURE PROTECTED
- BUILT-IN ISOLATOR

This High Power Amplifier is intended for use mainly in telecommunication systems as a power booster. However it can be used effectively for intermodulation test and measurements, as well as for other high power applications. It's compact size, low power dissipation and well isolated RF output guarantee long, trouble free operation. Optionally this amplifier is available with heatsink, or as a 19" rack mountable unit with built in DC power supply.

Electrical characteristics:

Frequency Band	1800 MHz to 2200 MHz
1 dB Compression Point	46 dBm min. @ 47 dBm (50W) typ.
Nominal Gain	48 dB
Gain Ripple	± 1 dB
Harmonics	< - 50 dBc typ.
RF Input Connector	SMA-F
RF Output Connector	N-F
Control & Monitor Connector (*)	9 pin D-sub
DC Connector	Solder pin
Supply Voltage	+12 V DC
Supply Current	25 A typ.
Heatsink Operating Temp. Range	0 to +55 °C (opt.-20 to +65 °C)
Dimension	250 x 165 x 26 mm

Proper heatsink is required.

Specifications are subject to change without notice

(*) Temperature, forward power, reflected power and ALC level monitoring, over-temperature protection, RF and DC shutdown.

Outline dimensions (mm):

