

1800 MHz 100W AMPLIFIER

- 100 W OUTPUT POWER
- CLASS “AB” OPERATION
- COMPACT SIZE
- AUTOMATIC LEVEL CONTROL
- OVER-TEMPERATURE PROTECTED
- LINEAR FORWARD POWER DETECTION
- BUILT-IN ISOLATOR

This Power Amplifier is intended for use mainly in GSM 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	1700 to 1900 MHz
1 dB Compression Point	50 dBm min.
Nominal Gain	50 dB min.
Gain Ripple	±0.8 dB max.
RF Input Connector	SMA-F
RF Output Connector	N-F
Control Connector (*)	9 pin D-SUB
DC Connector	Feedthrough capacitor
Supply Voltage	+28 V DC
Supply Current	13 A typ.
Heatsink Operating Temp. Range	0 ...+ 60 °C (optional: - 20 ...+ 70 °C)

Proper heatsink is required.

Specifications are subject to change without notice.

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

Outline dimensions (mm):

