

900 MHz GSM 40W AMPLIFIER

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

This High 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	890 to 960 MHz
1 dB Compression Point	46 dBm (40 W) min. 47 dBm (50W) typ.
Nominal Gain	47 dB
Gain Ripple	± 1 dB
Harmonics	< - 60 dBc typ.
RF Input Connector	SMA-F
RF Output Connector	N-F
Control Connector (*)	9 pin D-sub
DC Connector	Solder pin
Supply Voltage	+ 28 V DC
Supply Current	4.5 A typ.
Heatsink Operating Temp. Range	0 to + 60 °C (opt.- 20 to + 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):

