

## 420 – 470 MHz 50W AMPLIFIER

- 50 W OUTPUT POWER
- CLASS “AB” OPERATION
- COMPACT SIZE
- AUTOMATIC LEVEL CONTROL
- OVER-TEMPERATURE PROTECTED

This High Power Amplifier is intended for use mainly in telecommunications 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 and low power dissipation 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	420 MHz to 470 MHz
Output Power	47 dBm typ.
Nominal Gain	40 dB
Gain Ripple	± 1.5 dB
Harmonics	< - 60 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	+13 V DC
Supply Current	12 A typ.
Heatsink Operating Temp. Range	0 to + 60 °C (opt.- 30 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):

