

# GN 40

GN Range: 100 kHz - 200 MHz / 40 W CW



## Prana GN 40

- Class A solid state
- Broadband (instantaneous single band): 100 kHz – 250 MHz
- Frequency extension between 80 kHz and 250 MHz upon request
- Typical output power : 40 W CW
- Linear output power (1 dB compression) guaranteed with harmonics <-20 dBc:
  - P1dB > 45 W and H < -20 dBc up to 100 MHz
  - P1dB > 35 W and H < -20 dBc from 100 MHz to 250 MHz
- Air cooling: self contained fans
- Can operate in full mismatch conditions without damage
- Reliable, efficient and robust
- 3 years standard warranty

## GN Range

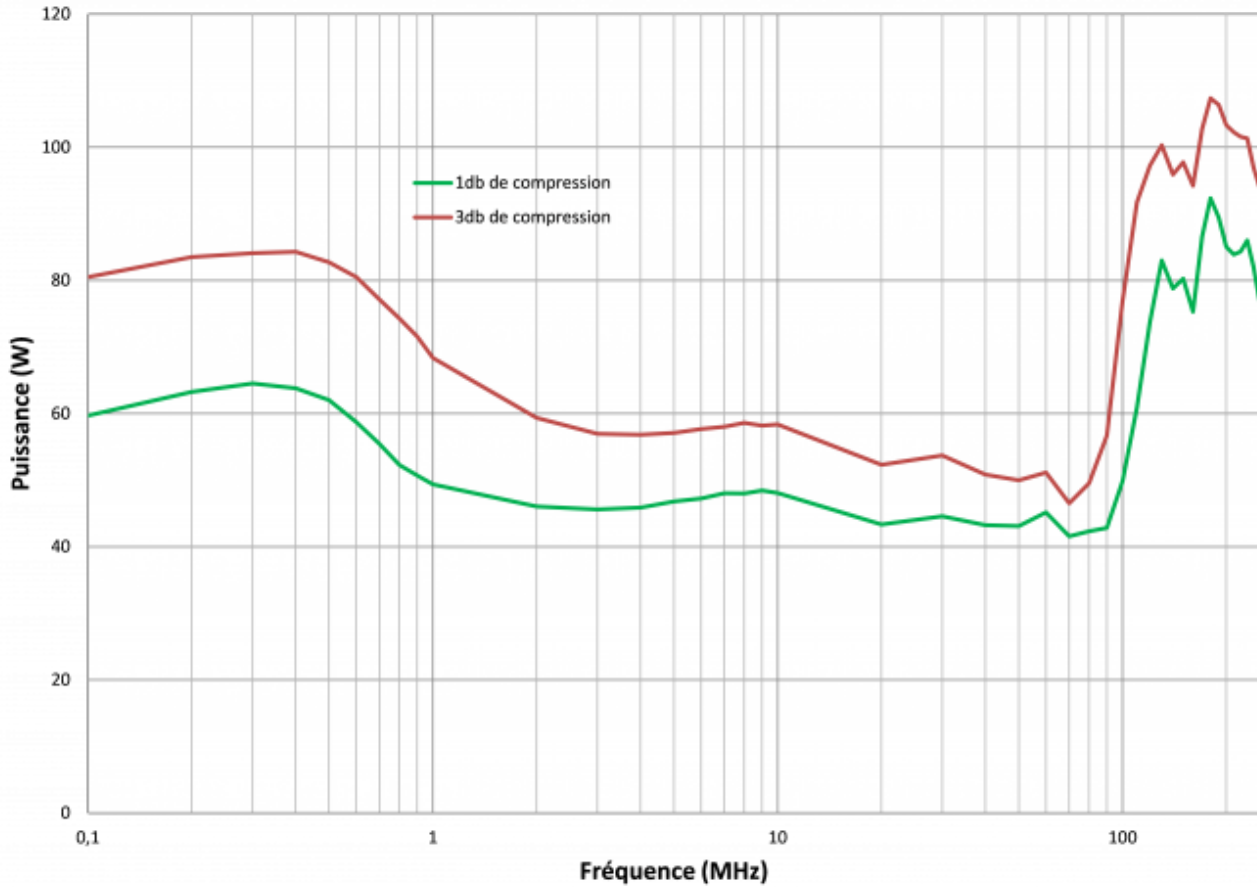
- GN 40 => 40 W CW
- GN 500 => 500 W CW
- GN 1000 => 1000 W CW
- GN 2000 => 2000 W CW
- GN 3500 => 3500 W CW
- GN 7000 => 7000 W CW
- GN 12000 => 12000 W CW

## Maintenance

- Amplifier designed for minimal maintenance
  - Easy access to all parts
  - Modular design
  - Repairs with minimum adjustments
- Rapid diagnostic
- Minimal downtime
- Contract for preventive and corrective maintenance available

## Applications

- EMC tests
- RF tests and instrumentation
- Radiocommunication
- Measurement and research laboratories



## Specifications

Frequency bandwidth	100 kHz - 250 MHz
Typical output power	40 W
Power at 3 dB compression	40 W min. up to 100 MHz / 35 W min. from 100 MHz to 250 MHz
Power at 1 dB compression	35 W min. up to 100 MHz / 30 W min. from 100 MHz to 250 MHz
Harmonics distortion	H2,H3 < -20 dBc for the output power at 1 dB compression limit
Class type	Class A
Gain	48 dB
Linear power gain flatness	± 3 dB max
Mismatch tolerance	infinite without damage
Input impedance	50 ohms / VSWR: 2:1max
Output impedance	50 ohms / VSWR: 2:1max
Input power	+10 dBm max.
RF input connector	Type N fem. (front or rear panel) – other connector type on request
RF output connector	Type N fem. (front or rear panel) – other connector type on request
Ambient operating temperature	0 °C / + 35 °C
Room temperature storage	-20 °C / +70 °C
Cooling	Forced air 20 L/s max (fans included)
Power voltage	90-250 VAC, 47-63 Hz, single phase
Rated current	2 A at 230 VAC
Dimensions (W x D x H)	442 x 430 x 125 mm (3U) / 17.4 x 16.92 x 4.92 in (3U)
Weight	12 kg / 26.45 lb