


P/N: AMT-PRA-00091-30-NF

Technique Specification

	Frequency Range	9 kHz - 100 MHz
	Gain	30 dB ±2.0 dB Typ.
	Noise Figure	2.3 dB Typ.
	VSWR	1: 2.5 Typ.
	Max. Input Power	8 dBm Max.
	Max. Output Power	10 dBm Max.
	Connector	N-Female
	Power Supply	12 V DC; 220 V AC (external AC-DC adapter)
	Power Consumption	40 W Max.
	Impedance	50 Ω
	Size	135 x 80 x 55 mm
	Weight	1.45 kg
	Operating Temperature	0 ~ +55°C

Section II. Safety and Installation Precautions

1. Disconnect the RF input before cleaning the unit or reapplying power.
2. Keep the device away from water, high temperatures, and high-humidity environments; do not use it outdoors.
3. AC mains input: 170–260 V AC, 50 Hz.
4. Place the unit on a stable, level surface to prevent tipping or falling.
5. Provide a proper protective earth (PE) connection.
6. When powered from 220 V AC mains, the unit must be supplied through a residual-current device (RCD; earth-leakage protection).

Section III. Operation

1. The LNA input port (see picture below), N-type connector, is used for RF input (INPUT).



2. The LNA output port (see picture below), N-type connector, is used for RF output (OUTPUT).



3. Power Supply: 220 V AC, 50 Hz.
4. Set the power switch to the UP position; the green LED will illuminate and the preamplifier will operate.
5. Set the power switch to the DOWN position; the green LED will turn off and the LNA will enter standby.

Note: Disconnect the unit from the 220 V AC mains if it will not be used for an extended period.