

QUEBEC-200

VHF Linear Power Amplifier
With NXP MRF300



CEDA-Labz www.CEDA-Labz.com or contact us at: +91 9810338939 cedalabz@gmail.com

CEDA-Labz

QUEBEC-200

MAIN FEATURES USAGE

The QUEBEC-200 is a NXP300 based VHF power amplifier that covers 2METER Band and provides **100 W rated output power (PEP)**

EASY TO OPERATE

The amplifier power information is shown on a TEXT display. Therefore, you need not to install a separate POWER Meter

QUEBEC-200 can be controlled by the six front panel switches

INTELLIGENCE

Takes care of itself via continuously working

COMPACT AND LIGHT WEIGHT CONSTRUCTION

Compact and lightweight construction and the built-in SWR Protection. Operates with 48V DC max. 6Amps because of its high efficiency. Built in DC polarity protection keeps you safe in case of wrong polarity by mistake

SPECIFICATIONS FREQUENCY COVERAGE

2METER RATED POWER OUTPUT

100 W ± 0.5 dB, PEP

INTERMODULATION DISTORTION (IMD3)

Better than 30 dB below the rated PEP with Two tone test

HARMONIC AND PARASITIC EMISSIONS OUTPUT SUPPRESSION

BUILT-IN Chebyshev LOW PASS Filter, providing steep cut-off skirts and additional harmonic suppression

Designed to Comply with CE safety and electromagnetic compatibility requirements

NOTE: Specification Design and price subject to change without prior notice

BROADBAND INPUT CIRCUIT

Broadband input circuit, providing transceiver load with SWR below 1.5 without retuning throughout the whole frequency range from 144MHZ to 146MHZ.

TRANSCEIVER-INDEPENDENT

Compatible with all vhf handy models -less than 5W of RF drive power is sufficient

NXP TRANSISTOR TECHNOLOGY

The QUEBEC-200 amplifier uses a rugged NXP MOSFET

ELECTROMAGNETIC COMPATIBILITY

Perfect electromagnetic compatibility (EMC) with both highly sensitive devices and the powerful devices in the radio station (receivers, computers, other amplifiers) exceeds the standard EMC

INPUT IMPEDANCES

Nominal value: 50 Ohm unbalanced, UHF (SO-239A) type connectors

SWR: Below 1.5 (1.2 typically), 144-146 MHz continuous range

ANTENNA IMPEDANCE

Nominal value: 50 Ohm unbalanced Antenna with an SWR below 1.5 can be connected to this output Antenna connectors: PTFE UHF (SO-239A) type FOR O/P SMA Female for INPUT

DC POWER SUPPLY VOLTAGE

48V @7A

OPERATING ENVIRONMENTS

Temperature range: -10...+40 °C (14 °F to 104 °F)

Operating (excluding connected cables)

WxDxH: 245x230x80 mm

4.5 kg approx.

Shipping: WxDxH: Approx. 300x350x120mm

5kg approx.