

# ZV13.1 - Power amplifier 50 W (Net)

Type designation: **ZV13.1**

NSN: **5996160039135**

PN (RN): **2011.100.51**

KČN: **0068600200219**

RF power amplifier for RF13 transceivers. ZV13.1 amplifier includes a high speed data modem with GMSK modulation and 16 kbit/s data bit rate in RF channel. This modem is fully compatible with MD13.1 radio modem and it can be configured in two SW versions: network (Net) or direct line (P2P). The amplifier is installed with the RF13 transceiver and together they form the mobile set. The unit is installed in a mounting frame.

## Technical parameters

<b>Power supply voltage</b>	27 V
<b>Power supply voltage range</b>	18 V to 33 V
<b>RF output power</b>	50 W/50 $\Omega$
<b>AF output power</b>	1 W/6 $\Omega$
<b>Frequency range</b>	30 MHz to 88 MHz
<b>Nominal output impedance</b>	50 $\Omega$
<b>Interface</b>	RS232C
<b>Data transmission rate</b>	16 kbit/s
<b>Operating time</b>	in the mode of continuous transmission at the normal conditions unlimited, at the temperature +50 °C 30 minutes
<b>Operating temperature range</b>	-30 °C to 60 °C
<b>Dimensions</b>	W 184 mm x H 128 mm x D 175 mm
<b>Weight</b>	max. 3.9 kg