

# AT RF1350 50 Watt VHF Mobile Package

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This mobile package with maximal output power of 50 W can be installed in all wheeled and tracked vehicles. The AT RF13 transceiver and AT ZV13.1 amplifier are located on top of each other in a spring cushion frame. If the mobile package is designed for installation in wheel vehicles without artillery or mortar weaponry, or for fixed posts, you may use the lighter, non-cushioned frame 7007.100.01 instead of spring cushion frame 7007.100.10. The package can be controlled from one location.

## Technical parameters

Frequency range	30.000 MHz to 87.975 MHz
Input impedance	50 $\Omega$
Output impedance	50 $\Omega$
Channel spacing	25 kHz
Number of channels	2320
Channel selection	from transceiver keyboard or handset
Operating modes	simplex or semiduplex telephony or data transmission 16 kbit/s
Voice encryption	through internal digital scrambler
RF power output	0.2 W reduced, 5 W nominal, 50 W amplified
Receiver sensitivity	better than 0.5 $\mu$ V at 12 dB SINAD
Effectively transmitted frequencies range	
for F3 operation	300 Hz to 3400 Hz
for data	150 Hz to 9000 Hz

Interface for connection of PC	RS232C
Data transmission rate in radio channel	max. 16 kbit/s
Modulation for data transmission	GMSK
Modulation signal level for 4 kHz frequency deviation	for F3 operation 100 mV
	for data 430 mV $\pm$ 50 mV
AF amplifier output power	1 W in loudspeaker with impedance 6 $\Omega$
AF frequency range	300 Hz to 3000 Hz in 6 dB range
Nominal power supply voltage	27 V
Power supply voltage range	18V to 33 V
Current consumption at reception	0.5 A/27 V
transmission 5 W	1.3 A/27 V
transmission 25 W	8 A/27 V
Continuous operation time in +50 °C, 25 W	min. 30 minutes
Operating temperature range	-30 °C to +60 °C
Dimensions including frame (7007.100.20)	W 428 mm x H 224 mm x D 165 mm
Set weight including frame (7007.100.20)	max. 15 kg
Note	Customer can order modems in ZV13.1 power amplifier in Net or P2P configuration

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## Components

- VHF Military Transceiver AT RF13
- Power amplifier 50 W (Net) AT ZV13.1
- Frame
- AF cable
- RF cable
- Data cable
- Grounding
- Grounding
- Connector nut
- CD for modem configuration ModEx

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