RF1350 - Mobile set

Type designation: **RF1350**

PN (RN): **2011.041.11**

This mobile set with maximal output power of 50 W can be installed in all wheeled and tracked vehicles. The #RF13.02# transceiver and ZV13.1 amplifier are located on top of each other in a springcushion frame. If the mobile set is designed for installation in wheeled vehicles without artillery or mortar weaponry, or for fixed posts, you may use the lighter, non-cushioned frame 7007.100.01 instead of springcushion frame 7007.100.10. The set can be controlled from one location.

Technical parameters

Frequency range	30.000 MHz to 87.975 MHz
Input impedance	50 Ω
Output impedance	50 Ω
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 µV at 12 dB SINAD
Effectively transmitted frequencies range	
narrow band	300 Hz to 3400 Hz
wide band	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

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Modulation signal level for 4 kHz frequency deviation	for F3 operation 100 mV
	for data 430 mV ± 50 mV
AF amplifier output power	1 W in loudspeaker with impedance 6 Ω
AF frequency range	300 Hz to 3000 Hz in 6 dB range
Nominal power supply voltage	27 V
Power supply voltage range	18 V to 33 V
Current consumption at	
reception	0.5 A/27 V
transmission 5 W	1.3 A/27 V
transmission 50 W	8 A/27 V
Continuous operation time in +50 °C	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 modem in ZV13.1 power amplifier in Net or P2P configuration.

Documentation

RF13 operating instructions	2000.010.02
RF13 brief operating instructions	2000.011.02
RF1350/RF1325 operating instructions	2011.010.02
RF1350/RF1325 brief operating instructions	2011.011.02

Set

Type designation	PN (RN)	Name
RF1350	2011.041.21	Mobile set

Components

Type designation	PN (RN)	Name
RF13	2000.100.02	Transceiver
ZV13.1	2011.100.51	Power amplifier 50 W (Net)
	7007.100.10	Frame
	2010.901.01	AF cable
	2010.900.01	RF cable
	1050.993.01	Grounding
	1050.993.04	Grounding
	2000.475.01	Connector nut
	2025.500.51	CD for modem configuration
	2010.900.02	RF cable
	1050.271.01	Data cable

Accesories

Type designation	PN (RN)	Name
NM13	7004.000.01	Mobile charger
RM13	7014.000.01	Mobile quick charger set
	2036.100.23, 2036.100.24	2.6 m VHF vehicle antenna
	2036.100.40	1.88 m VHF vehicle antenna
	2036.100.38	Groundplane antenna
	2036.100.18	Discon antenna
	2036.100.20	Telescopic winch driven mast 10 m
	2036.100.39	Antenna mast

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RF13.2	2022.100.01	Handset with control
RF13.3	2022.100.51	Handset
	2026.700.01	Handset holder
PK1302	2320.000.20	Fill gun set
UC13	2029.100.01	Attenuator 10 dB
	2010.902.02	Power supply cable 1.5 m
	2010.902.01	Power supply cable 3 m
	2011.904.01	Antenna cable (3 m)
	2011.904.02	Antenna cable (10 m)
	1050.271.01	Data cable
	1050.350.01	Data cable (RS232C)
		RF headsets
RF13.1	7000.100.01	Rechargeable battery pack
AL13	2039.100.01	Long tape antenna 1.5 m
PD13	2036.100.10	Long-wire antenna
	2000.118.01	Light fabric cover
	2000.117.01	Carrying straps