

RS 6102 VHF COMM TRANSCEIVER

GENERAL

POWER SUPPLY

13,75 V DC or 27,5 V DC
with voltage converter

CURRENT CONSUMPTION

receive - 1,4 A
transmit - 4,5 A

FREQUENCY RANGE

118 - 138 MHz

NUMBER OF CHANNELS

800/ 25 kHz spacing

FREQUENCY STABILITY

better than 30×10^{-6}

APPLICABLE DOCUMENTS

RTCA DO 156, DO 157, DO 160
ENV.CAT.
B1A L/N

RECEIVER

SENSITIVITY

2 μ V nominal; typically 1 μ V
for 6 dB S+N/N

BANDWIDTH

(in all env.cond.)
RS 6102 A \pm 14 kHz/6 dB
RS 6102 B \pm 7 kHz/6 dB

AGC

≤ 3 dB from 5 μ V to 100 mV

AUDIO OUTPUT

250 mW into 600 ohm
1 W into 8 ohm

SQUELCH

adjustable

SPURIOUS RESPONSE

at least 60 dB down

TRANSMITTER

POWER OUTPUT

5 W nominal
7 to 9 W typical

MODULATION

85 %; compression

MICROPHONE INPUT

200 mV into 200 ohm

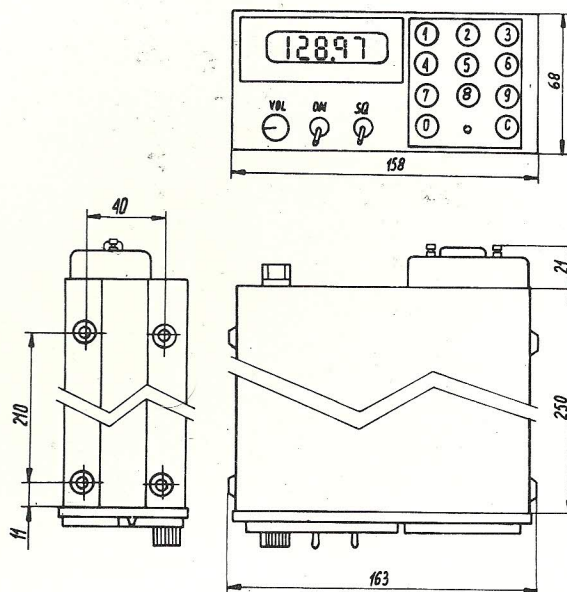
DISTORTION

≤ 10 % with 85 % modulation

UNDESIRED RADIATION

less than 25×10^{-6} W

TRANSCEIVER



VOLTAGE CONVERTER 28/14

