COMMUNICATION RECEIVER OR 1205



The communiation receiver OR 1205 is designed to receive radiotelegraphic and radiotelephonic emissions in frequency range 0,1 - 30 MHz with decade setting in 10 Hz steps. Double conversion and high first intermediate frequency (42,4 MHz) ensure good undesired signals suppresion. High level mixer makes receiver resistant to intermodulation distortion.

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POWER SUPPLY

220 V AC and 12 V DC make possible uninterrupted operation while mains fails

TECHNICAL DATA

Frequency range - 100 - 29.999,99 KHz with 10 Hz step

Tunning Stability
Short term 2 x 10 /15 minutes
Long term 1 x 10 / year

Emission - A1A,A3E,J3E, B8E/X

Antenna input resistance - 50 dm

Switching antenna alternator - 0/20 dB

Sensitivity for 20 dB SINAD - 1,5 µV - A1A/400 Hz
2,0 µV - A1A/750 Hz
2,5 µV - A1a/1750 Hz
3,0 µV - J3E/USB or LSB
15,0 µV - A3E/6800 kHz, 30%

6dB pass-band
very narrow - 400 Hz
narrow - 750 Hz
wide - 1750 Hz
very wide - 8600 Hz
US/B + 300 ÷ 3400 Hz
- 300 + - 3400 Hz

1-st IF - 42,4 MHz

2-nd IF - 200 kHz

Image and IF rejection - 80 dB

Blocking at +- 0,5 MHz - 100 dB/µV

Intermodulation - 80 dB

AGC range - 10/70 dB

Audio frequency responce - 300 - 3400 Hz

OUTPUT POWER

int. loudspeaker - 0,5 W

headphones (2 x 65 ohm) - 6 mW

IF output - 50 mV/50 Ohm

AF output - for tape recorder - 200 mV/10 kOhm

AF line output - 0 dB + - 10 dB

BFO - 1250 Hz; + - 2000 Hz

Power supply - 220 V + - 10 % or 12 V + - 10-15%

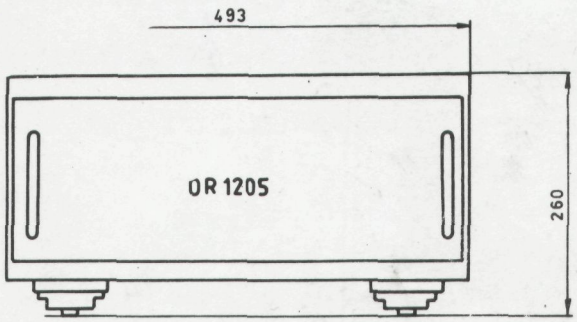
Power consumption - 80 W at 220VAC; 100 W at 12VDC

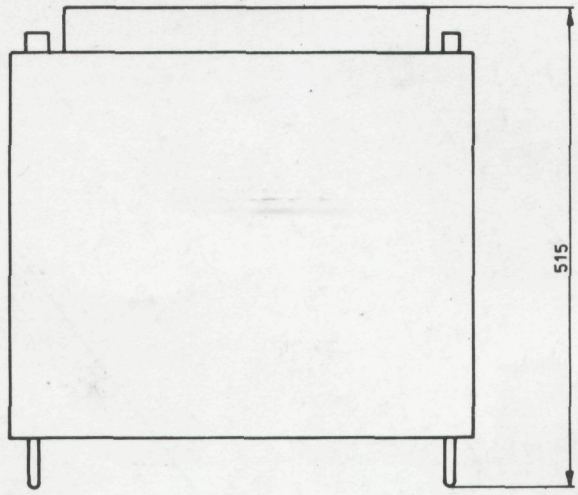
ENVIRONMENT CONDITIONS

- operation temperature range - -10°C ÷ +55°C
- humidity - 95% up to 40 C 10 days
- cycle temperature changes (3 cycles) - -50°C ÷ +65°C
- vibrations - 20 - 25 Hz/30
- shocks 10/15 kg - 100.000

Dimensions - 495 x 260 x 515 mm

Weight - 35 kg





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