

RS 6103 PORTABLE VHF COMM TRANSCEIVER FOR GROUND TO AIR COMMUNICATION

GENERAL

POWER SUPPLY

10Ni-Cd/3,5 Ah built-in batteries
complete with 220 V charger
External 12 \pm 15 V DC

FREQUENCY RANGE

118 - 136 MHz

NUMBER OF CHANNELS

3 (of 9)

FREQUENCY STABILITY

better than 50×10^{-6}

TEMPERATURE RANGE

-15°C \pm +55°C

RECEIVER

SENSITIVITY

2 μ V nominal; (typical 1 μ V) for 6 dB S+N/N

SELECTIVITY

\pm 15 kHz at 6 dB/50 kHz
or \pm 8 kHz at 6dB/25 kHz - optionally

AGC

10 μ V - 10 mV/3 dB

AUDIO OUTPUT

1 W into 8 ohm or 250 mW into 600 ohm

SQUELCH

adjustable

SPURIOUS RESPONSE

80 dB down

TRANSMITTER

POWER SUPPLY

1.5 W nominal (2.5 - 3 W typical)

MODULATION

85%; compression; 10 % distortion

MICROPHONE INPUT

max. 4 mV - for dynamic mike
or 200 mV into 200 ohm standard mike

UNDESIRED RADIATION

less than 25×10^{-10} W

PORTABLE TRANSCEIVER

