

RS 6101 M VHF COMM TRANSCEIVER

GENERAL

POWER SUPPLY

13,7 V (27,5 V DC with voltage converter) or via 12 V battery supply unit

CURRENT CONSUMPTION

receive - 100 mA
transmit - 0,8 A

FREQUENCY RANGE

118 - 136 MHz

NUMBER of CHANNELS

up to total of 9

FREQUENCY STABILITY

better than 50×10^{-6}

APPLICABLE DOCUMENTS

RTCA DO 109, DO 110, DO 138
ENV. CAT DA / N BAA

RECEIVER

SENSITIVITY

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

BANDWIDTH

+/- 15 kHz at 6 dB/ 50 kHz

AGC

10 μ V - 10 mV / 3 dB

AUDIO OUTPUT

250 mW into 600 ohm
1 W into 8 ohm

SQUELCH

adjustable

SPURIOUS RESPONSE

80 dB down

TRANSMITTER

POWER OUTPUT

1.5 W nom / typ. 2.5-3W /

MODULATION

85 %, compression, 10 % distortion

MICROPHONE INPUT

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

UNDESIRED RADIATION

less than 25×10^{-6} W

