

VHF transceiver set

IMAGE NOT
AVAILABLE

RF1325L transceiver set is designed for aircraft and ensures VHF radio communication in 30 MHz to 87.975 MHz band. It meets aircraft installation regulation, with maximum flight altitude of 15200 m, onboard aircraft with primarily metal design, without pressure and temperature regulation.

Technical parameters

RF output power	
- increased	20 W (+0.5/-1.5) dB
- nominal	5 W (+1.5 dB, -1 dB)
- decreased	0.2 W (± 2 dB)
Receiver sensitivity	
at 12 dB SINAD, F3 operation, nominal deviation and modulation frequency 1 kHz	max. 0.5 μ V
Nominal and maximum deviation	
- maximum	± 5.6 kHz
- nominal	± 4 kHz
Frequency deviation	max. ± 1 kHz
Signal to noise ratio	min. 35 dB
Current consumption	
at 28 V	max. 5 A
transmission 5 W	max. 1.3 A
reception	max. 0.5 A
AF amplifier parameters	
With excitation by hf signal at 1 mV, modulated by 1 kHz signal with 4 kHz deviation, the voltage at the E pin of the handset-marked connector must be	min. 3.5 V _{eff}
distortion	max. 7 %
Spurious suppression	
harmonic	min. 60 dB
non-harmonic	min. 70 dB
Continuous operation time in transmission mode	min. 2 h at 50 °C
Dimensions	
RF 13L	max. (83 x 175 x 206) mm
ZM 13L	max. (185 x 175 x 129) mm
RF 13.41	max. (170 x 55 x 47) mm
Spring-mounted frame 1020.100.01	max. (256 x 206 x 66) mm

Weight

RF 13L (no frame)

max. 2.7 kg

ZM 13L (no frame)

max. 3.9 kg

RF 13.41

max. 600 g

Spring-mounted frame 1020.100.01

max. 800 g