

TELERAD

Aeronautical and Maritime Radiocommunication Systems

UHF RECEPTION HIGH SENSITIVITY UNIT

HSR910

OVERVIEW

The UHF reception high sensibility unit HSR910 permits to improve the characteristics of sensitivity of the associated receiver.

With the same dimensions than the receiver, the HSR910 has the shape of a drawer unit, 1/12 standard rack 19", height 3 units.



■ RADIOELECTRICAL CHARACTERISTICS

Frequency range:

225 to 400 MHz

Internal cavity filter:

± 5 MHz at 10 dB

Gain:

8 dB ; ± 1 dB

Impedance:

50 ohms

Sensitivity with RPY918:

1 μ V (S + N)/N \geq 10 dB, M = 0.3 CCITT ponderation

3rd intermodulation with RPY918:

> 90 dB (2 signals 2 and 4 MHz apart, ref. 0.5 μ V)

Power supply (DC voltage):

21 to 31 V ; 0.1 A

■ MECHANICAL CHARACTERISTICS

Height:

130 mm

Width:

35 mm

Depth:

450 mm

Weight:

1.4 kg

■ CLIMATIC CHARACTERISTICS

Climatic conditions:

■ Operation between -20°C and +55°C

■ Relative humidity 95% at +40°C (non condensing)

Storage:

-40°C to +80°C