

TELERAD

Aeronautical and Maritime Radiocommunication Systems

VHF RECEPTION HIGH SENSITIVITY UNIT

HSR900

OVERVIEW

The VHF reception high sensitivity unit HSR900 permits to improve the characteristics of sensitivity of the associated receiver.

The unit HSR900 has the shape of a drawer unit, 1/12 standard rack 19", height 3 units.



■ RADIOELECTRICAL CHARACTERISTICS

Frequency range:

118 to 144 MHz

Gain:

8 dB, ± 1 dB

Band-pass at -3 dB:

$> \pm 7.5$ kHz

Impedance:

50 ohms

Maximum input level:

10 dBm

Noise factor:

8 dB

Third level cut-in point:

> 25 dBm

Power supply (DC voltage):

21 to 31 V ; 0.1 A

■ MECHANICAL CHARACTERISTICS

Height:

130 mm

Width:

35 mm

Depth:

450 mm

Weight:

1 kg

■ CLIMATIC CHARACTERISTICS

Climatic conditions:

- Operation between -20°C and $+55^{\circ}\text{C}$
- Relative humidity 95% at $+40^{\circ}\text{C}$ (non condensing)

Storage:

-40°C to $+80^{\circ}\text{C}$

■ OPTION

Version without crystal filter, possibility of external cavity filter.