

SR2214-R-W

Ultra low noise frequency amplifier-distributor

Functions

The SR2214-R-W equipment provides amplification and signal distribution for 10 MHz frequencies low phase noise.

- The equipment is in the form of 19 "1U rack
- It incorporates a chain amplification and distribution to handle signals of very low frequency phase noise (- 165 dBc at 1 KHz)
- The standard model has 9 independent outputs with the following characteristics:
Insulation between channels > - 50 dB
Harmonics <-30 dB

In its basic version, (ultra low phase noise, 8 outputs): SR2214-W
The equipment has no remote or alarm management.

The redundant version, provides 10 outputs and Ethernet remote control management of the unit.

Redundant model (2 frequency input)

The equipment receives analog input frequency of 2 external sources. In AUTO position, the equipment automatically selects valid source. The signal is amplified and distributed to the outputs of the equipment.

Option SR2214-W ensures the distribution of signals with very low phase noise. Noise floor at -170 dBc / Hz

2 groups of 3 LEDs, associated with two push buttons allow to:

- Selection of the mode (**A**utomatic/**M**anual)
- Selection of the source (A/B) when in manual mode.
- Indicate the selected source and the source eventually in alarm.

The push button is used to force the selection A, B, AUTO.
If the LED A / B are red it signals the presence of non-input signal.

An Ethernet / IP remote control function, provides information on the status of the equipment: operating mode, condition of the tracks. It also allows the choice from these parameters.

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Ordering reference:

Characteristics

The input accepts signals from $+13 \pm 2$ dBm

- The outputs are identical to input level on 50 Ω .
- All outputs are isolated.
- Input / output Gain is factory set. The desired value must be specified when ordering.
- All inputs/outputs signals carried on the rear of the equipment.
- The input and output connectors are isolated BNC type.
- Power supply 230V AC with power connector: 3 Kg
- MTBF: 55,000 hours
- Equipment CE compliant

SR2214-W : ultra low noise distributor. 9 outputs.

SR2214-R-W : ultra low noise redundant distributor. 10 outputs

SR2214-R-16: ultra low noise redundant distributor. 16 outputs.



Front face and rear face of the equipment



SR2214-R-10



SR2214-R-16 (2U)