



## S BAND RECEIVER RTD



Applications : drones, aircrafts, tanks ...

## REMOTE CONTROL or TELEMETRY RECEIVER

- Frequency range: 2100 to 2300 MHz.  
2300 to 2500 MHz.
- Noise figure: < 2 dB.
- Dynamic input: -20 dBm to -95 dBm.
- Maximum input level : +10 dBm.
- Sensibility: - 90 dBm for 10 dB SINAD.
- Synthesized.
- Programming increments: 125 kHz step.
- Frequency accuracy:  $\pm 15$  ppm at 25 °C.
- Frequency stability:  $\pm 20$  ppm from -10°C to +70°C.
- Demodulation: FSK FM
- Data rate :  $\leq 12$  Mbits/s.
- Output : RS232 or RS485 or TTL  
( factory setting ).

## POWER REQUIREMENT

- 12 V DC ( 11 V min to 16 V max ).  
or 28 V DC ( 18 V min to 36 V ) ( factory setting ).
- < 500 mA for 12 V.
- < 500 mA for 28 V.
- Reverse polarity protection.

## ENVIRONMENTAL CONDITIONS

- Operating temperature range : -30 to +70° C.
- Vibration: 10 Hz to 400 Hz, 10 g-c.  
Random 0.4 g<sup>2</sup>/Hz from 10 to 400 Hz.
- Shock: ½ sinus 6 ms, 80 g.
- Acceleration: 80 g.
- Watertight: IP54.

## DIMENSIONS

- 170 x 111 x 32 ( mm ).
- Weight : < 500 g.
- RF input connector : SMA.
- Power and output connector : Type « D ».

## OPTIONS

- Data subcarrier ( on request ).
- Other modulations ( on request ).

*\*Specifications subject to change without notice*

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