

Receiver module EM2S DCF n

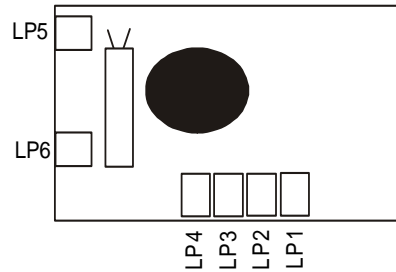
Order number: FBD 11020

The receiver module EM2S, working with a ferrite antenna, is a complete power stabilized receiver and demodulation unit for time signal senders. The output signal (at LP3) is the inverted demodulated time signal.

Pin configuration:

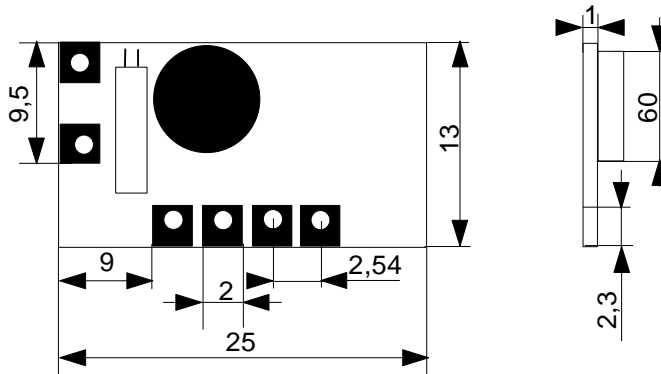


Original size



- LP1 - GND
- LP2 - PON
- LP3 - / Time signal
- LP4 - VCC
- LP5 - ANT1
- LP6 - ANT2

Dimensions: [mm]



Technical characteristics :

| Parameters | Test conditions | Symbol | min | typ | max | Unit |
|-----------------------------|-----------------------------|-----------|-----|-----|-----|-------------|
| Operating temperature range | $V_{CC} = 3V$ | T | -25 | | 70 | $^{\circ}C$ |
| Power supply | | V_{CC} | 3 | | 12 | V |
| Power consumption | $V_{CC} = 3V, U_{PON} = 0V$ | I_{CC} | | | 200 | μA |
| Input voltage ANT1-ANT2 | $U_{CC} = 3V, U_{PON} = 0V$ | U_{IN} | | 0,4 | 0,6 | μV |
| Output current | $U_{CC} = 3V, U_{PON} = 0V$ | I_{OUT} | | | 2 | mA |

Model :

| Model (EM2S xxx n) | Input signals | Note |
|--------------------|------------------|--------------------------------------------------------|
| EM2S DCF n | DCF77 ; 77,5 kHz | Standard temperature range $0^{\circ}C - +50^{\circ}C$ |