

# Receiver module EM2S WWVB

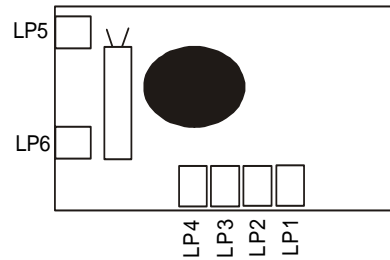
Order number: FBW 10020

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 non inverted demodulated time signal.

**Pin configuration:**

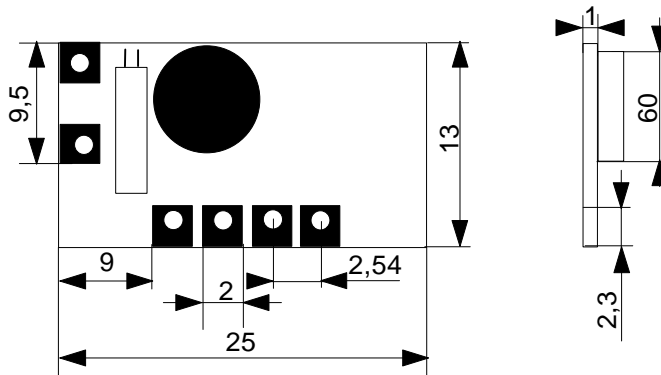


Original size



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

**Dimensions: [mm]**



**Technische Rahmendaten :**

| Parameters                  | Test conditions             | Symbol    | min | typ | max | Unit        |
|-----------------------------|-----------------------------|-----------|-----|-----|-----|-------------|
| Operating temperature range | $V_{CC} = 3V$               | T         | 0   |     | 50  | $^{\circ}C$ |
| Power supply                |                             | $V_{CC}$  | 3   |     | 12  | V           |
| Power consumption           | $V_{CC} = 3V, U_{PON} = 0V$ | $I_{CC}$  |     |     | 200 | $\mu A$     |
| Input voltage ANT1-ANT2     | $U_{CC} = 3V, U_{PON} = 0V$ | $U_{IN}$  |     | 0,4 | 0,6 | $\mu V$     |
| Output current              | $U_{CC} = 3V, U_{PON} = 0V$ | $I_{OUT}$ |     |     | 2   | mA          |

**Model :**

| Model (EM2S xxx) | Input signal  | Note   |
|------------------|---------------|--|
| EM2S WWVB        | WWVB ; 60 kHz | Standard temperature range $0^{\circ}C - +50^{\circ}C$ |