

# Receiver module EM2S DCF

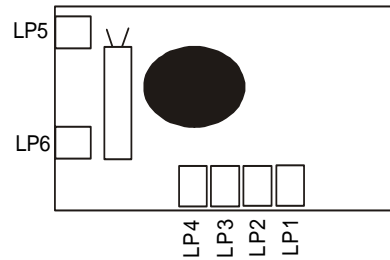
Order number: FBD 10020

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:

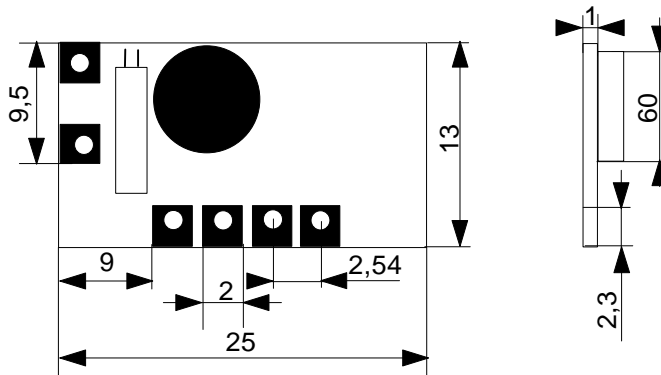


Original size



- 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 DCF	DCF 77 ; 77,5 kHz	Standard temperature range $0^{\circ}C - +50^{\circ}C$