

# Receiver module EM2S DCF nT

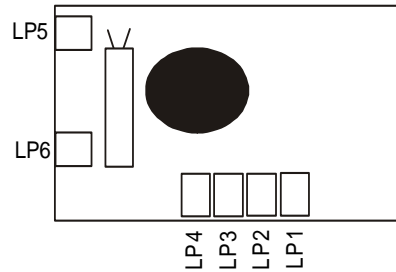
Order number: FBD 12020

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:

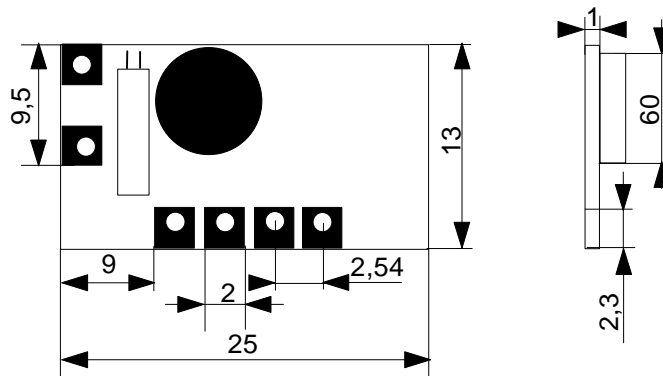


Original size



- 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	$\mu A$
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 n)	Input signals	Note
EM2S DCF nT	DCF77 ; 77,5 kHz	Extended temperature range -25 $^{\circ}C$ – +70 $^{\circ}C$