

# Receiver module EM6 DCF

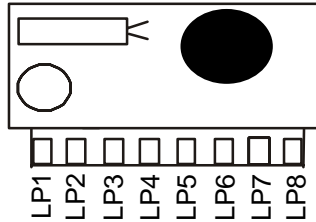
Order number: FBD 13011



The receiver module EM6, working with a ferrite antenna, is a complete receiver and demodulation unit for time signal senders. Using an external connection configuration it is possible to select and output the demodulated time signal inverted or not inverted to the corresponding output pin for the further processing (decoding).

### Pin configuration :

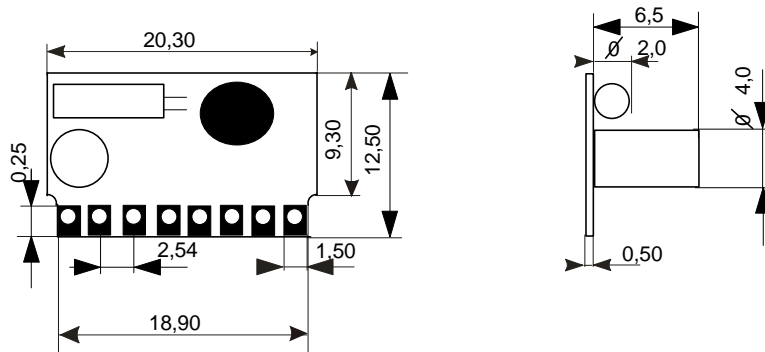


Original size



- LP1 - GND
- LP2 - VCC
- LP3 - ANT2
- LP4 - ANT1
- LP5 - PON
- LP6 - Time signal 
- LP7 - / Time signal 
- LP8 - TEST

### Dimensions :



### Technical characteristics :

Parameters	Test conditions	Symbol	min	typ	max	Unit
Operating temperature Range	$V_{CC} = 3V$	T	0		50	$^{\circ}C$
Power supply		$V_{CC}$	1,5		3	V
Power consumption	$V_{CC} = 3V, U_{PON} = 0V$	$I_{CC}$			250	$\mu A$
Input voltage ANT1-ANT2	$U_{CC} = 3V, U_{PON} = 0V$	$V_{IN}$		0,4	0,6	$\mu V$
Output current	$U_{CC} = 3V, U_{PON} = 0V$	$I_{OUT}$				$\mu A$

### Model :

Model	Input signal	Note
EM6 DCF	DCF77 ; 77,5 kHz	Standard temperature range