

Receiver module EM2S HBG n

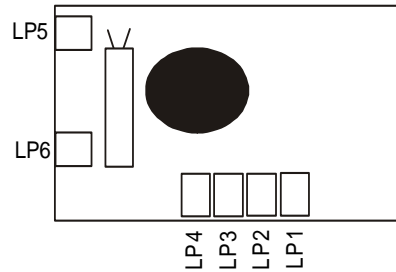
Order number: FBH 11020

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:

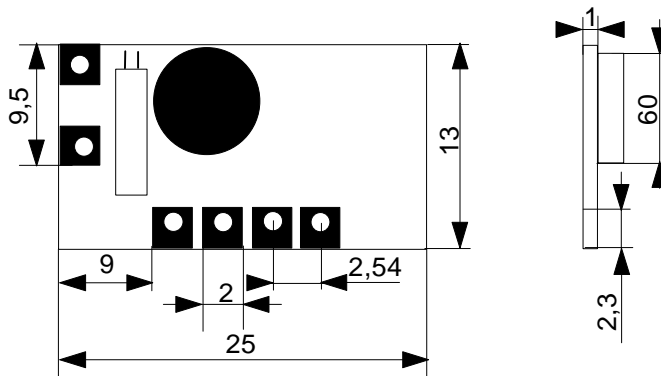


Original size



- 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 HBG n	HBG ; 75 kHz	Standard temperature range $0^{\circ}C - +50^{\circ}C$