

Características Técnicas.

Frecuencia de trabajo 868 Mhz
Transceiver via radio multicanal Rx-Tx.
Aplicable a todos los modelos de pesaje.
Alcance máximo 100 mts. En función de las condiciones
Dimensiones 51x75x27 mm.
Potencia de transmisión 10mW.
Alimentación del módulo 5Vcc.
Admite 6 canales

Fabricación Nacional.



AC specifications - Rx

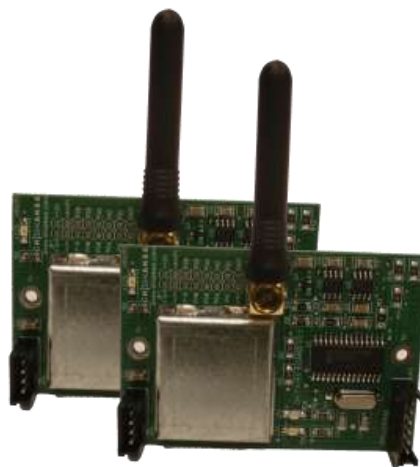
Parameter	Min	Typ	Max	Units	Notes
Receive frequency – EUR	868.225		869.885	MHz	At antenna pin
Channels – wideband		2			
Channels – narrowband Mode		6			
Channel spacing – wideband Mode		650		kHz	
Channel spacing – narrowband Mode		Variable		kHz	
Receiver sensitivity – wideband MODE		-102		dBm	115200 baud UART
Receiver sensitivity – wideband MODE		-106		dBm	2400 baud UART
Receiver sensitivity – narrowband MODE		-104		dBm	9600 baud UART
Receiver sensitivity – narrowband MODE		-107		dBm	2400 baud UART
Input IP3		-40		dBm	Flo+1MHz and Flo+1.945MHz
Input Impedance		50		Ohms	No matching required
LO Leakage		-65		dBm	50-ohm termination at ANT
Adjacent channel rejection		-48		dBc	Fc +/-650kHz
IF Bandwidth – wideband Mode		600		KHz	
IF Bandwidth – narrowband Mode		200		KHz	

AC specifications - Tx

Parameter	Min	Typ	Max	Units	Notes
Transmit Frequency –EUR	868.225		869.885	MHz	
Center frequency error		2	3	ppm	868.05 MHz @ 25°C
Frequency Deviation – wideband Mode		+/-80		kHz	
Frequency Deviation – narrowband Mode		+/-40		kHz	
Maximum Output Power – narrowband Mode		13	15	dBm	868.05 MHz Into 50 ohm load
Maximum Output Power – wideband Mode		13	15	dBm	868.05 MHz Into 50 ohm load
Output Impedance		50		Ohms	
Harmonic Output		-50		dBc	Into 50 ohm load

DC specifications

Parameter	Min	Typ.	Max	Unit	Notes
Operating Temperature	-40		+85	°C	
Supply voltage	2.7	3.0	3.6	VDC	Operating limits
Receive current consumption		16-24		mA	Continuous operation, Vdd = 3.3VDC, depends on data rate selected
Transmit current consumption					
-2 dBm		24-32		mA	Output into 50 ohm load, Vdd = 3.3VDC, depends on data rate selected
+2 dBm		28-36		mA	
+7 dBm		35-43		mA	
+13 dBm		50-58		mA	
Standby current consumption		850		µA	Vdd = 3.3VDC
Sleep current consumption		35		µA	Vdd = 3.3VDC
Vih – Logic high level input	0.7*Vcc		5	VDC	
ViL – Logic low level input	0		0.3*Vcc	VDC	
Voh – Logic high level output	2.5		Vcc	VDC	
Vol – Logic low level output	0		.4	VDC	



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