RWS-123B RF MODULE

Wireless Hi Sensitivity Receiver Module (RF ASK)

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Version History

Version	Date	Changes
V1.01	May.06, 2004	1st. Edition
V1.02	July.22, 2010	2st. Edition

123MHz ASK RF Receiver Module, which are able to compatible with Transmitter module complied to the data communication, Data Rate 8Kbps, ASK, which is data out from any standard CMOS/TTL. The module is very simple to operate and offers low current consumption.

Spec

- Frequency Range : 123MHz
- Modulate Mode : ASK
- Circuit Shape : LC
- Data Rate : 4800bps
- Sensitivity : -106dBm
- Channel Spacing : 1MHz
- Supply Voltage : 5V
- High Sensitivity Passive Design
- Simple To Apply with low External Count.

DC Characteristic

Symbol	Parameter	Condition	Min	Type	Max	Unit
Vcc	Operating Supply Voltage		4.9	5	5.1	
I Tot	Operating Supply Voltage			4.5		
V Data	Data Out	1 Data = +200 uA (High)	Vcc -0.5		Vcc	V
		1 Data = -10 uA (Low)			0.3	V

Electrical Characteristic

Parameter	Sym	Min	Type	Max	Unit
Operating Radio Frequency	FC	122.70	123	123.30	MHz
Sensitivity	Pref.			-106	dBm
Channel Width		-500		+500	KHz
Noise Equivalent BW	NEB		5	4	KHz
Baseboard Data Rate				3	KB/S
Receiver Turn On Time				3	ms

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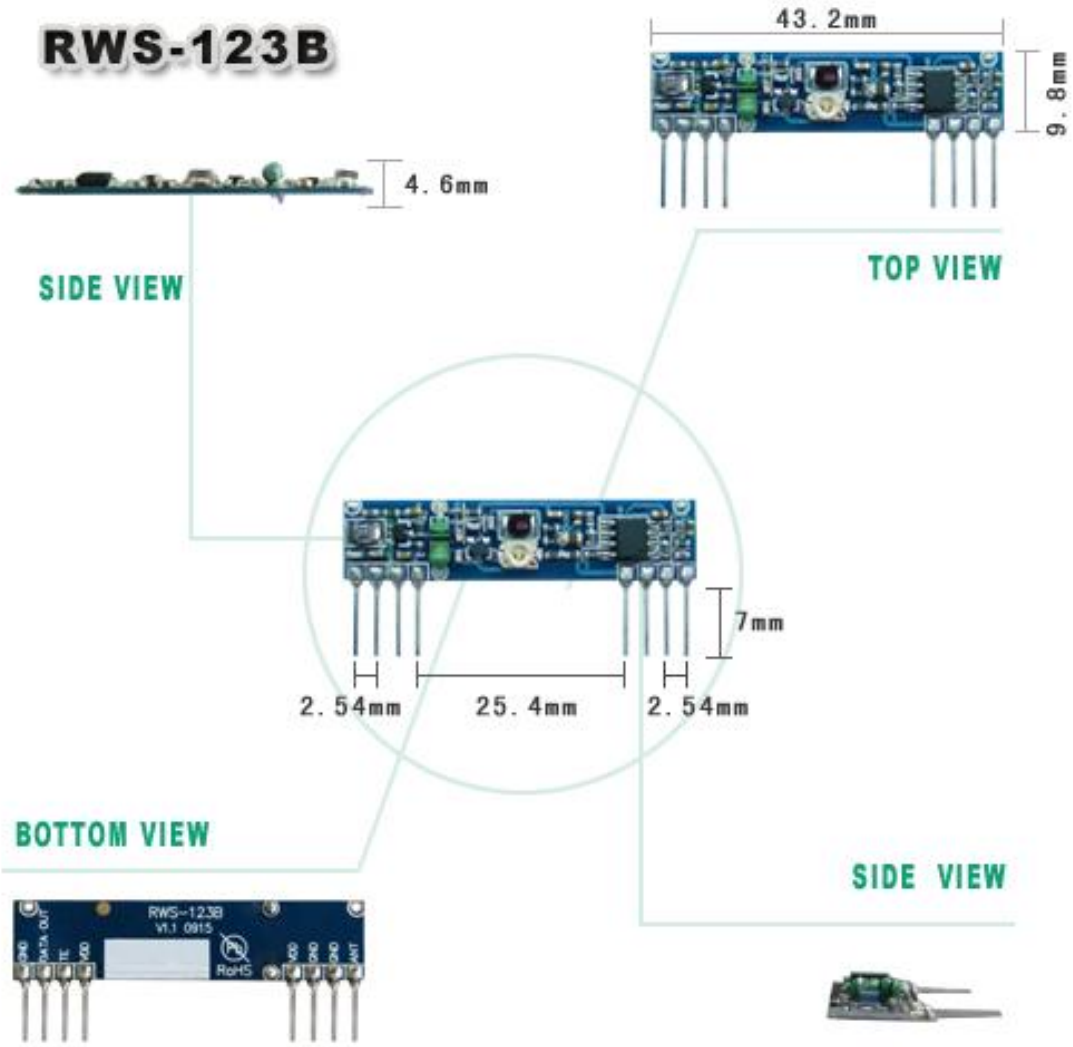
View


RWS-123B
43.2mm
9.8mm
4.6mm
SIDE VIEW
TOP VIEW
7mm
2.54mm
25.4mm
2.54mm
BOTTOM VIEW
SIDE VIEW
RWS-123B
V1.1 0915
RoHS
GND
DATA OUT
NC
VDD
VDD
GND
GND
ANT