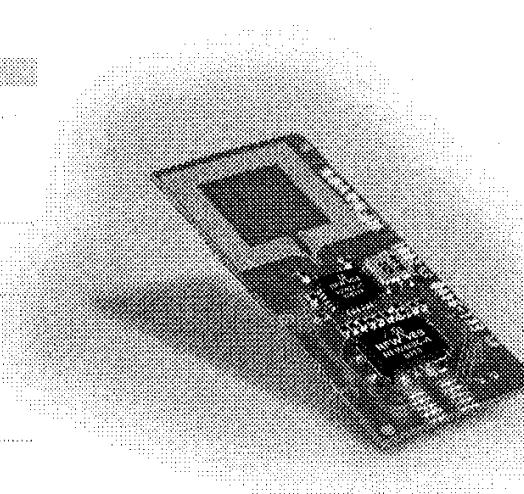


### Interfacing

Name	Characteristic
Vcc	A regulated voltage of 2.7-3.6Volts with at least 25mA current sourcing is required
GND	Apply the supply ground to this pin
Tx/Rx	Vcc for Tx (transmit) mode GND for Rx (receive) mode
ACT	Vcc on working mode GND standby mode
TxD/RxD	In Tx mode: data input pin In Rx mode: data output pin



### Main characteristics (typical):

Parameter	Value
Central frequency of operation	2440 MHz
Modulation technique	DSSS
Maximum bit rate	1 Mbps
Minimum bit rate	10 Kbps
Processing gain	10.7 dB
Band width	35 MHz - 20dB
Peak output power	-24.98dBm
Rx sensitivity for BER = $10^{-4}$	-80 dBm
Range with - 5dBi antenna	>10 m (~33ft) indoor
Current consumption - Rx	34 mA
Current consumption - Tx, no transmission	7 mA
Current consumption - Tx, 100Kbps	10 mA
Current consumption - Tx, 1Mbps	34 mA
Standby current	2.5 $\mu$ A
Wake up time	20 $\mu$ Sec
Supply voltage	2.7 ... 3.6 V
Temperature range	-5°... +60° C

Features are subject to revisions or changes without notification.

For more information please contact:

RF Waves : Tel: +(972)-3-6344131 : E-mail: [info@rfwaves.com](mailto:info@rfwaves.com) : Website: [www.rfwaves.com](http://www.rfwaves.com)

