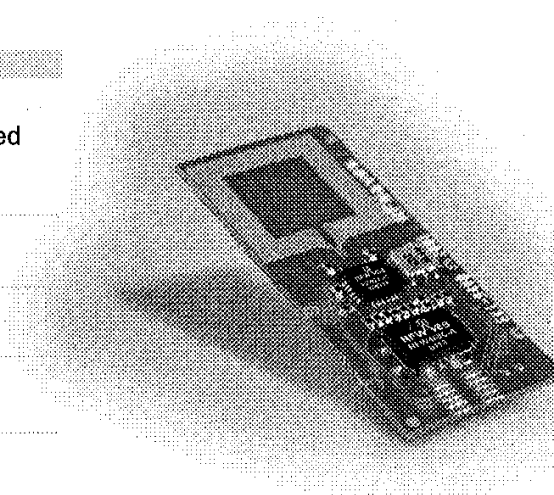


### Interfacing

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 <sup>-4</sup>	-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.

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