

Item	Min.	Typical	Max.	Unit	Condition
VDD Power supply	1.8	3.3	3.6	V	VDD
RF Output power range	-20		22	dBm	
Filter insertion loss	1	2	3	dB	
RF Sensitivity	-129			dBm	
RF Input level			10	dBm	
Frequency range	820	868/915	960	MHz	
Frequency accuracy		±10		ppm	
Transmit Mode current		140		mA	RFOP = +22dBm
Receive Mode current		17.5		mA	
Sleep mode current		15		uA	AT+MODE=1
Smart receiving power saving mode average current	0.02	2.7	5.5	mA	AT+MODE=2,3000,3000
Baud rate	300	115200	115200	bps	8, N, 1
Digital Input Level High	0.7*VDD		VDD	V	VIH
Digital Input Level Low	0		0.3*VDD	V	VIL
Digital Output Level High	0.9		VDD	V	VOH
Digital Output Level Low			0.1	V	VOL
Cycling (erase / write) Flash data memory		200		K	Cycles
Weight		1.83		g	
Operating temperature	-40	25	+85	°C	

Item	Min.	Typical	Max.	Unit	Condition
VDD Power Supply	2	3.3	3.6	V	VDD
RF Output Power Range	-4		15	dBm	
Filter insertion loss	1	2	3	dB	
RF Sensitivity	-148			dBm	
RF Input Level			10	dBm	
Frequency Range	862	868/915	1020	MHz	
Frequency Accuracy		±2		ppm	
Communication Range		4.5	15	KM	Depend on RF parameter
Transmit Current		43		mA	RFOP = +15 dBm
Receive Current		16.5		mA	AT+MODE=0
Sleep Current		0.5		uA	AT+MODE=1
Baud rate	300	115200	115200	bps	8, N, 1
Digital Input Level High	0.7*VDD		VDD	V	VIH
Digital Input Level Low	0		0.3*VDD	V	VIL
Digital Output Level High	0.9		VDD	V	VOH
Digital Output Level Low			0.1	V	VOL
Cycling (erase / write) EEPROM data memory		300		K	Cycles
Weight		3.07		g	
Operating Temperature	-40	25	+85	°C	

Item	Min.	Typical	Max.	Unit	Condition
VDD Power Supply	1.8	3.3	3.6	V	VDD Power Supply
RF Output Power Range	-4	20	22	dBm	
Frequency Range	820	868/915 5	960	MHz	
Transmit Current		140		mA	RFOP = +22 dBm
Class A Current		5		uA	
Class B & C Current		5		mA	
Baud rate		9600		bps	8, N, 1
Operating Temperature	-40	25	+85	°C	
Antenna					External Antenna