



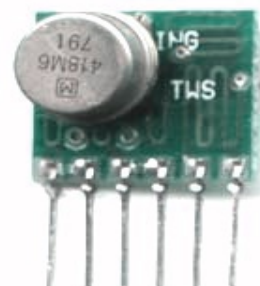
### APPLICATION NOTE

The RF Module's Frequency Is From 300MHz TO 433.92MHz

The RF Module's Frequency Depends On The Quartz Surface

Wave (Saw) Of Different Frequency The Following Space Is

Suitable For Any Frequency



#### Electrical Characteristics

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
vcc	Operating supply voltage		1.5	-	12	V
Icc	Peak Current		-	5	9	mA
Vin	Input High Voltage	I Data = 100Ua ( High )	Vcc-0.5	-	Vcc	V
Vii	Input Low Voltage	I Data = 0ua ( Low )	-	-	0.3	V
Fo	Absolute Frequency		314.8	315	315.2	MHz
ΔFO	Relative To 433.92MHz			+/-150	+/-200	KHz
Po	RF Out Power Into 50 Ω		-3	0	+2	dBm
	Modulation Bandwidth	External Encoding	-	5	-	KHz
Tr	Modulation Rise Time		-	-	100	uS
Tf	Modulation Fall Time		-	-	100	uS

Notes : ( Case Temperature = +25°C+/-2°C Test Load Impedance = 50 Ω And Modulation Input Is At Logic High

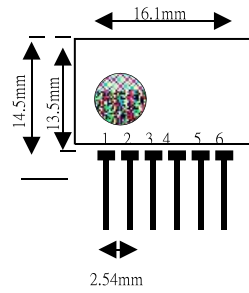
Low Unless Noted Otherwise ) The RF Module Not Included Digital Encoder

Caution : Electrostatic Sensitive Device Observe Precautions For Handling



**pin 1: GND**  
**pin 2: Data in**  
**pin 3: VCC**  
**pin 4: ANT**

# TWS-315 TRANSMITTER



- pin 1 : Vcc
- pin 2 : Vcc
- pin 3 : Gnd
- pin 4 : Gnd
- pin 5 : RF Output
- pin 6 : Code Input

Frequency 300 - 433MHz Band

Moulation : AM ( Code )  
 Supply Voltage : 1.5v - 15 v dc  
 RF Output Power : 8mW

