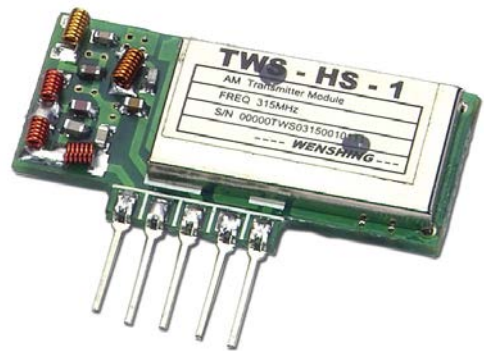

 Wireless High Power Transmitter Module (RF ASK)



Model: TWS-HS-PLUS-6



Model: TWS-HS-3

Version History

Version	Date	Changes
V1.01	March.26,2021	1st. Edition

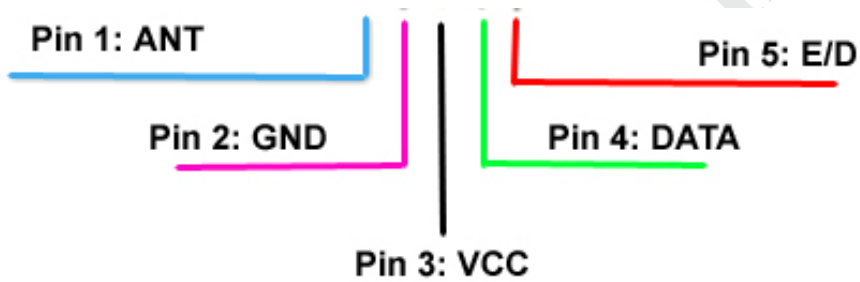
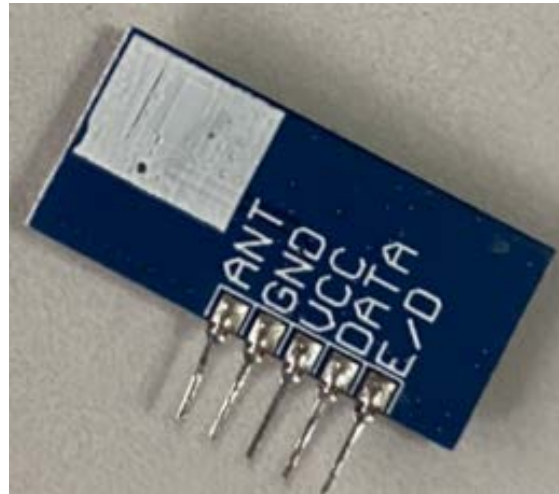
➤Model: TWS-HS-PLUS-6

- Frequency: 433.92MHz
- Modulate Mode: ASK
- Output Power: 0.5W
- Voltage Supply: 4.5~5.5V
- Transmitter Data Rate: 8Kbps

➤Electrical Characteristic

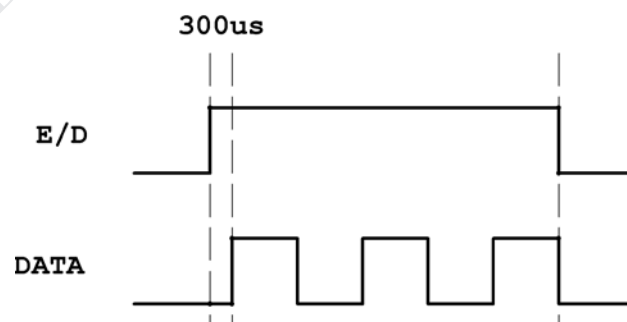
Parameter	Min.	Typ.	Max.	Unit	Condition
Operating Conditions					
Operating Temperature Range	-10		+70	°C	
Soldering Temperature			+230	°C	10 secs
Operating Supply Voltage	4.5		5.5	V	
Current Consumption					
Tx Mode			300	mA	0.5W
Standby Mode			37.5	mA	E/D=H
Frequency					
TWS-HS-PLUS-6	433.82	433.92	434.02	MHz	ASK
RF Characteristic					
Span Range	-100		+100	KHz	
Data Rate			8	Kbps	ASK
Output Power			29	dBm	0.5W
Turn On/Off Time			300	us	
Modulation		ASK			

➤ Pin Assignment



Pin	Function	I/O	Description
1	ANT	ANT	Antenna Interface
2	GND	G	Power Negative
3	VCC	P	Power Cathode
4	DATA	I	Data input
5	E/D	I	Enable and Disable Control

➤ Timing Diagram



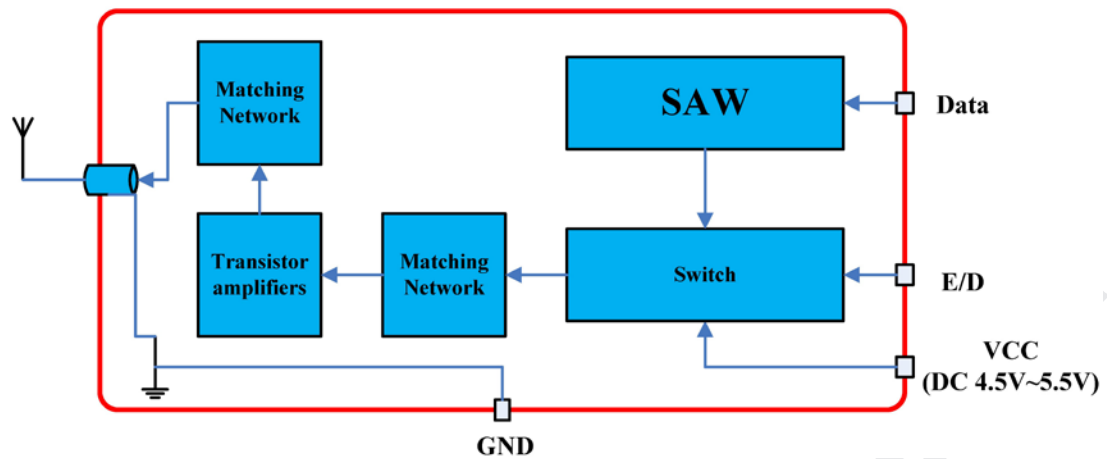
➤Model: TWS-HS-3 (315MHz)

- Frequency: 315MHz
- Modulate Mode: ASK
- Output Power: 0.5W
- Voltage Supply: 4.5~5.5V
- Transmitter Data Rate: 8Kbps

➤Electrical Characteristic

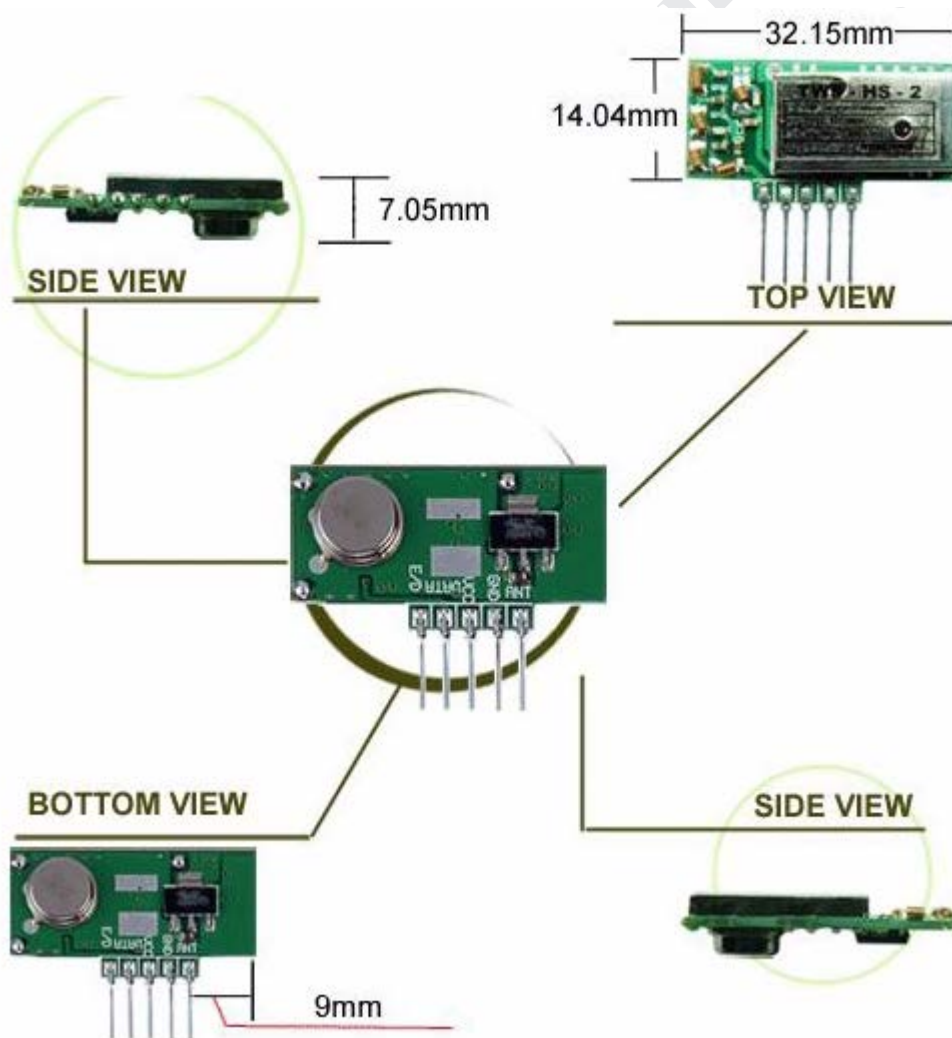
Parameter	Min.	Typ.	Max.	Unit	Condition
Operating Conditions					
Operating Temperature Range	-10		+70	°C	
Soldering Temperature			+230	°C	10sec
Operating Supply Voltage	4.5		5.5	V	
Current Consumption					
Tx Mode			270	mA	0.5W
Standby Mode			33	mA	E/D=H
TWS-HS Series for Frequency					
TWS-HS-3	314.90	315.00	315.10	MHz	ASK
RF Characteristic					
Span Range	-100		+100	KHz	
Data Rate			8	Kbps	ASK
Output Power			27	dBm	0.5W
Turn On/Off Time			300	us	
Modulation		ASK			

➤Block Diagram



➤Dimension

(unit : mm)



➤Application Circuit

