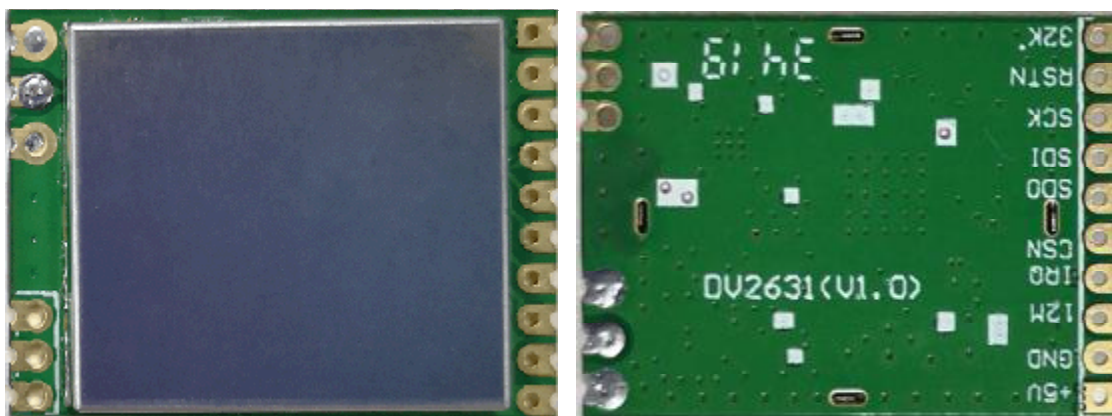


FORSAFE CO., LTD

Product: 2.4GHz Digital Wireless AV Transceiver RF Module

Model NO.: DV2631 V1.0



Image

Prepared By: _____ Date: _____

Checked By: _____ Date: _____

Approved By: _____ Date: _____

Customer Approval: _____ Date: _____

(Please return to us one copy of "Specification for approval" with your Approved signatures.)

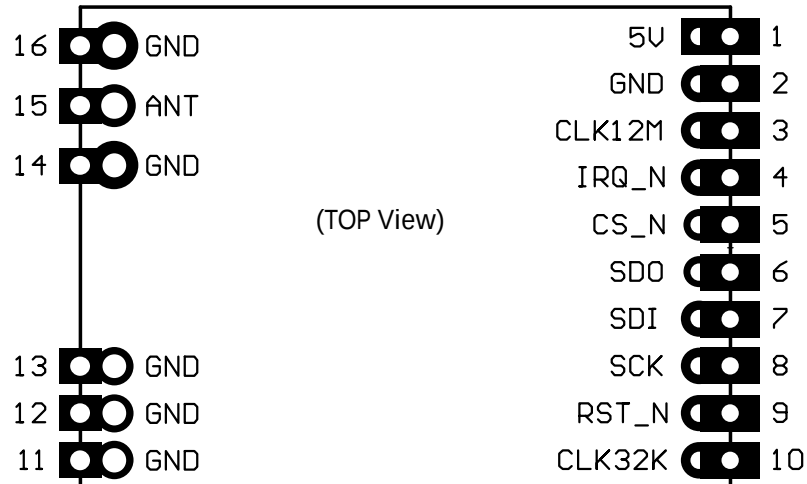
1、Features

- 2.4GHz ISM band HDR (high data rate) FH (frequency hopping) transceiver;
- Provides three types of digital modulation 16QAM/QPSK/BPSK;
- Data rate support 12Mbps/6Mbps/3Mbps;
- Support plugins and half-hole mount.

2、Specification

General	
Power Supply	+5.0V
Current Consumption	550mA±20mA @TX Power = 26dBm±1dBm)
	65mA(Typ.) @12MHz RX Mode
Standby Mode	10mA
Transmission range	>600m (line of sight)
Size	27.65mm(L) X 20.4mm(W) X 3.3mm(H)
Interface	10Pin x 2.0mm (10Pin 2.0mm header or SMD)
Weight	Approx.:3.2g
Operating Temperature	-40~+85°C
Storing Temperature	-65~+100 °C
Operating humidity	85%RH
RF	
Operating frequency range Cover	2400 ~ 2483MHz
RF Impedance	50Ω, Typ.
Output Power	27dBm @ Maximum Power Setting
Max. Emission	<-30dBm@2nd Harmonic
	<-50dBm@3rd Harmonic
RX Sensitivity	-81dBm(Typ.) @12MHz,16QAM BER<1E-3
	-86dBm(Typ.) @12MHz QPSK BER<1E-3
RF Bit Rate	3MHz/6MHz/12MHz BER<1E-3 (Optional)
Modulation / Demodulation	16QAM/QPSK/BPSK
Spread Spectrum	FHSS
MAX. Hope Rate	1200hops/S
RF Band Width	1MHz
RF Overlapping Hopping Channel	19
LO Frequency stabilization	±30kHz
LO Frequency Precision	±50kHz
SPI Speed	SPI: 0~30MHz
Data Error Check	16CRC

3、Function introduce



Pin NO.	Function	Comment
1	+3.3V~+5V	RF module supply voltage input DC 5.0V
2	GND	Ground
3	CLK12M	NC
4	IRQ_N	Output (Interrupt indication for external MCU)
5	CS_N	Input (Chip selection for SPI interface)
6	SDO	Data Output
7	SDI	Data Input
8	SCK	Clock Input
9	RST_N	Reset Input
10	CLK32K	32kHz Crystal Output
11	GND	Ground
12	GND	Ground
13	GND	Ground
14	GND	Ground
15	ANT	2.4GHz Antenna Port
16	GND	Ground

4、Dimension

