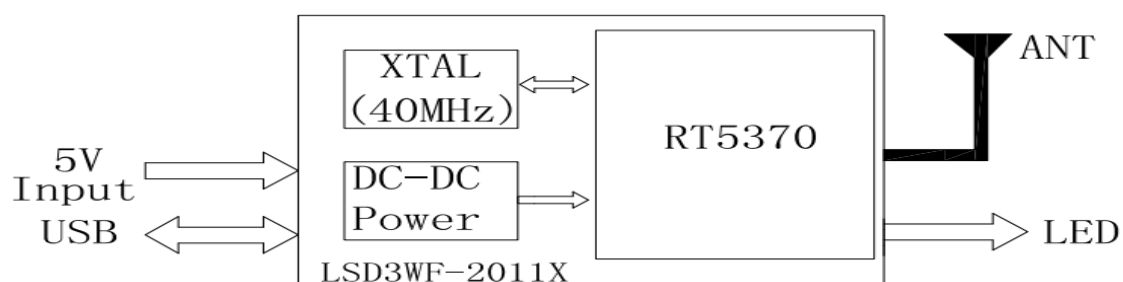


LSD3WF-2011X WIFI transceiver Module has a USB connector. The type of data cable are D + and D – ,they connected to communication interface, the power supply voltage of USB port is 5 V, and for chip, it is 3.3 V DC voltage, Crystal frequency is 40 MHz. the output power is through the matching circuit into the antenna .

LSD3WF-2011X is high performance and cost effective 802.11b/g/n WLAN USB module. LSD3WF-2011X is embedded with Ralink RT5370 a highly integrated MAC/BBP and 2.4GHz RF single chip with 150Mbps PHY rate supporting. It fully complies with IEEE 802.11n draft 3.0 and IEEE 802.11b/g feature rich wireless connectivity at high standards, cost-effective, throughput from extended distance. Optimized RF architecture and baseband algorithms provide superb performance and low power consumption.

LSD3WF-2011X is designed to support standard based features in the areas of security, quality of service and international regulation, giving end users the greatest performance anytime in any circumstance.

#### BLOCK DIAGRAM



RF Characteristics (Condition: VCC=3.3V @ +25°C)

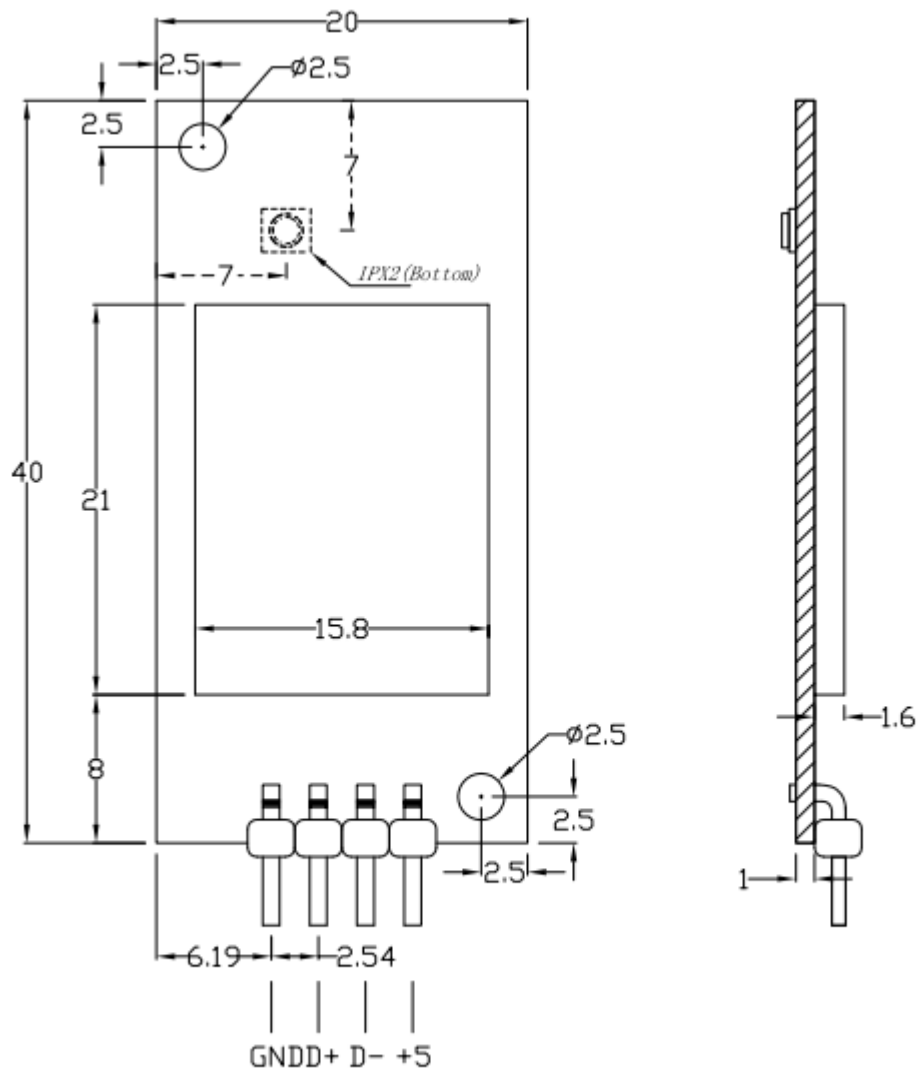
Feature	Description
Standards	Fully Compliant with IEEE 802.11 b/g/n Standard
Frequency Band	2.4~2.4835GHz
Channel	11
Frequency Stability	< ±5ppm @ Room Temperature +25°C
Modulation	OFDM/DBPSK/DQPSK/CCK
PHY Data Rate	Up to 150Mbps
Channel Bandwidth	20MHz and 40MHz
OFDM Output Power	15dBm (Typ.) @EVM<3%, all channel

CCK Spectral Mask @ Pout=18dBm	-37dBc(Typ)@11~22MHz -60dBc(Typ)@22~33MHz
2f Harmonics	-55dBm(Typ)
LO Leakage Peak Power	-64dBm(Typ)@ Transmit State
Receive Sensitivity	-71dBm(Typ)@54MHz OFDM -85dBm(Typ)@11MHz CCK -90dBm(Typ)@1MHz CCK
RF Port Impedance	50Ω±10%
USB Differential Port Impedance	90Ω±10%
Dimension	40±0.2 (L) ×20±0.2 (W) ×4 (H) mm

#### Absolute Maximum Ratings

Parameter Name	Min.	Typ.	Max.	Unit
Operating Temperature	-10		70	°C
Supply Voltage Range: USB VCC	4.5	5.0	5.5	V
Storage Temperature Range	-55		150	°C

#### PACKAGE INFORMATION



Unit:mm  
 GB/T 1804-m