

Operation Description

Parameter description

1. circuit feature: The SAW device is used to stably send frequency; the telescopic antenna is used to transmit signals.
2. Technical specification
 - a. Operation Voltage: DC12V (23A)
 - b. Operation Current: ≤ 8 mA
 - c. Oscillation Mode: SAW
 - d. Modified Mode: ASK
 - e. Operation Frequency: 315MHz
 - f. Frequency Deviation: ± 150 KHz

Working Principle:

when the button pressed, the power control circuit of DC 12V is started, the data sent to encode circuit at the same time. Than the step-down circuit worked. The transmitting power will be restrict by the step-down circuit. Now, the data will be encoded by the encoding circuit, and modified by the LC OSC. Then sent to the telescopic antenna; the frequency which is sent from encoded circuit to LC OSC is controlled by the oscillation frequency resonator, which is not allowed to exceed $315\text{MHz} \pm 150\text{KHz}$;