

PK-305 Module

433.92Mhz

Manual and spec revision 1.0

Reference Documents;

1, MRF212D IC product specification

2, PK-305 Module schematic

3. PMN: 433.92MHz Modular

Description:

PK-305 Module PCB Assembly is an i/o board used in the family of REMOTE POWER SWITCH PRODUCTS. The board has RF+MCU POWER circuit OSC circuit RESET circuit and wireless module.

CIRCUIT DESCRIPTION:

Referring to the block diagram there are four main sections of circuit:

1, MRF212D IC MCU CIRCUIT

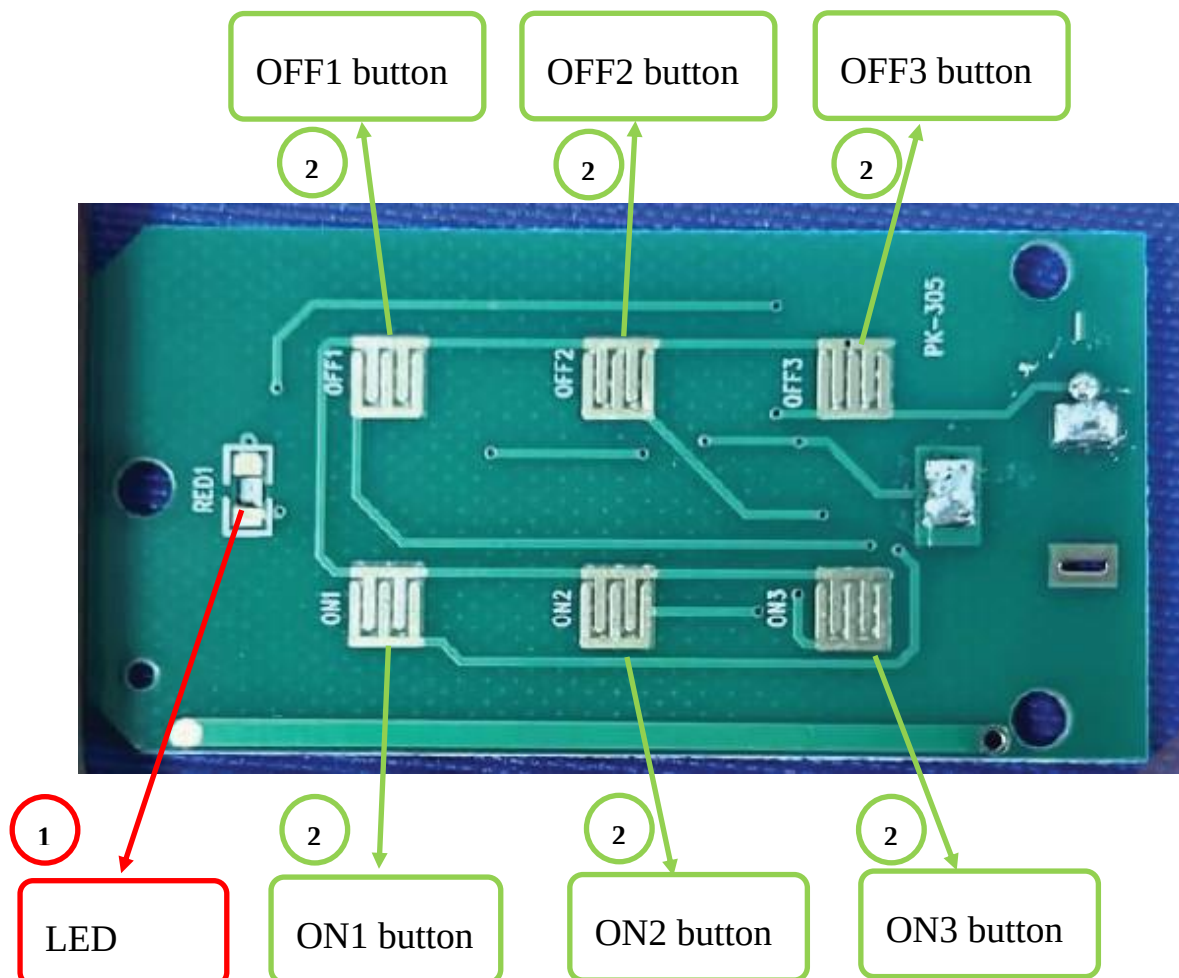
2, CLOCK CIRCUIT

3, ANTENNA CIRCUIT

4, RESET CIRCUIT

Communication with the PK-305 Module is accomplished through two side PCB PADS, the 433.92Mhz ISM RF circuitry is contained on the module. Device radio output from the module connects to an F-type PCB antenna on the PCBA.

The PK-305 Module operates from 3v supply source on the main



1 LED diode

LED diode OFF - No signal is transmitted.

LED diode RED - Transmit a signal

2 Button

Press the ON1 button to send the signal to turn on the function.

Press the OFF1 button to send and turn off the signal function.

Press the ON2 button to send the signal to turn on the function.

Press the OFF2 button to send and turn off the signal function.

Press the ON3 button to send the signal to turn on the function.

Press the OFF3 button to send and turn off the signal function.

FCC& ISDE Statement

This device complies with Part 15 of the FCC Rules and with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la partie 15 des règles de la FCC et aux normes RSS exemptées de licence d'Industrie Canada. Le fonctionnement est soumis aux deux

conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indés

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

Radiation Exposure Statement for camera

This equipment should be installed and operated with minimum distance 0cm between the radiator & your body.

Cet équipement doit être installé et utilisé à une distance minimale de 0 cm entre le radiateur et votre corps.