1. Overview

Q3 The switching power supply is a PWM high frequency power supply adapter adopted by our company. It has the advantages of small size, light weight and suitable for the whole voltage range.

2. The characteristics of

2.1 The circuit used in this product is PWM high frequency adapter.

2.2 High frequency transformers isolate the primary and secondary, with reliable safety, magnetic core with low loss, high saturation flux density has good high frequency characteristics.

2.3 The circuit design has good anti - electromagnetic interference.

2.4 A wide range of input voltages can be used.

3. technical specification

3.1 input-output characteristics

3.1.1 ： Model No.:Q3

Rating:125V~ 14A Max 60Hz 1750W;

Power Out: Type-C1 Port: 5V-3A/9V-2A/12V-1.5A

Type-C2 Port:5V-2A Max

USB port:5V-2A Max 10W

Wireless Charging:Max 15W

Total:Type-C1+Type-C2+USB+ Wireless Charging:

18W+5W+5W+15W Max 43W

3.2 safety requirements

3.2.1 dielectric strength

1） Primary to secondary $1500V_{DC}/1min$

2） Primary pair casing $1500V_{DC}/1min$

No breakdown and arc phenomenon

3.2.2 insulation resistance

1） Primary to secondary $500V_{DC}/1min$

2） Primary pair casing $500V_{DC}/1min$

Insulation resistance greater than $100M$

Driver Caution：

1. Non-maintenance personnel shall not open the product shell to avoid electric shock.
2. This product is used indoors and outdoors.
3. The socket must be installed close to the device, and easy to insert, in case of abnormal conditions (such as smoke... Etc.), please quickly unplug the power cord plug connected with the product.
4. Before using this product, please read the operation manual and operate according to the technical parameters.

This device complies with Part 15 of the FCC rules. 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.

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 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.

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

Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

The FCC certification of this device refers to RF exposure testing performed in typical operating conditions, where a person is no closer than 20 centimeters from the device surface at all times, except for non-repetitive patterns with transient time intervals in the order of a second. Only in the stated conditions, the device is shown to fully comply with the FCC RF Exposure requirements of KDB 447498.