

The Outline of Products for testing : Structure, Material and Performance

1. The Outline of Structure

(Please state the model name of the product as well as the outline of its function, structure and operating principles and so on.)

This product is a DC power supply (model name: ABC-1234P) used to supply direct current electric power to IT equipment such as small personal computers.

The equipment comprises an AC inlet (3P), a switching transformer, a printed circuit board, an output cord, an output jack, and other components. The Components are installed in a plastic case.

The primary side comprises a circuit for prevention of electromagnetic interference, a rectification circuit and a switching circuit. The secondary side of a switching circuit comprises a ripple-free rectification circuit, an over current protection circuit and other components.

Circuit protection elements include a current fuse (125V, 2A) on the input side of printed circuit board, which serves to interrupt the over current in the event of a failure of the electronic circuits.

2. Material

(Please state the material of the outer case and main components (as for transformers, motors and so on, the name of the insulator by which "winding insulation class" is to be judged).)

Materials of enclosure	Polycarbonate and ABS resin		
Transformer			
Core	Ferrite		
Bobbin	Phenol resin		
Primary winding	Polyurethane copper wire		
Secondary winding	Three-layer insulated wire (first and second layers: polyethylene terephthalate; third layer: polyamide)		
Insulating tape	Polyethylene terephthalate		
Rectifier	Silicone		

3. Performance (Ratings)

(Please state the factors by which "Type Classification" can be judged, such as performance, the ratings for voltage, power consumption and so on.)

Rated input voltage	1 00V	Rated input capacity	3 5VA
Rated frequency	50Hz - 60Hz	Rated output voltage	1 2V
Rated secondary current	2A		

4. Technical information

(Please provide photos, drawings, a list of components, circuit diagrams, an instruction manual and other necessary information.)

Necessary technical information is in the attached documentation including a list of components and a circuit diagram.