



Product Specification

Product Name: AC Adapter

Product Model: N-AC006A

Design No: N-AC006

Issued Date: May 24, 2024

Customer Approval

Signature	Approval Date

Galaxy Polytron Approval

Revision	Prepared By	Reviewed By	Approved By
0	Eli	Zhong	

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0 Revision History and Deviation

0.1 Revision History

Revision	Date	By	Description of Change
0	May 24, 2024	Eli	New release

0.2 Deviation

Customer Request	Deviation for samples	Mass production
Notice that of items shall be completed before mass production		
Description	L/T	Remark

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1 Electrical Performance and Tests

1.1 Input

Voltage: AC100V-240V

Current: 0.6A Max

Frequency: 50/60Hz

1.2 Output

Type-C:DC5V/3A,9V/2.22A,12V/1.67A (20W Max)

Type-C PPS:3.3-5.9V/3.0A,3.3-11V/1.8A

USB-A:DC5V/3A,9V/2A,12V/1.5A (18W Max)

Type-C+USB-A:DC5V/3A Max

Ripple Voltage:less than 200mV

1.3 Hi-pot Test

Apply 3.0KV between primary circuit and secondary circuit for 3 second, the leakage current must be less than 5mA.

1.4 Insulation Resistance

N/A

1.5 Abnormal Protection

OCP: Overcurrent protection shall work in the range of 1.1 to 1.4 times the current specification.

SCP: No damage to the product when output short happened.

1.6 Burn in Test

2 hours @ 100VAC input, full load, 25 degree C.

1.7 LED Indication

N/A

1.8 Operation Manual

When charging the device, first connect this product to the socket, and then use a USB cable to connect to the device.

After the device is fully charged, separate it from the USB cable and then unplug the device from the socket.

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2 Mechanical Tests and Requirements

2.1 Net Weight

Approx. 47±5g

2.2 Dimension

33* 33*40 mm

2.3 Surface

Damage and rusting are not permitted.

2.4 Drop Test

Drop height: 1.0m above 25 mm hardwood.

Method: Total 6 times. Drop one time for each of the 6 case surfaces.

Expected result: After drop test, the unit should still operate properly. Small nick or slight deformation may be accepted.

2.5 Cable Specification

N/A

3 Environmental Conditions

3.1 Operating Temperature

0°C ~ +40°C

3.2 Storage Temperature

-10°C ~ +60°C

3.3 Humidity

20%~85%RH Non-condensing

4 Safety Standards

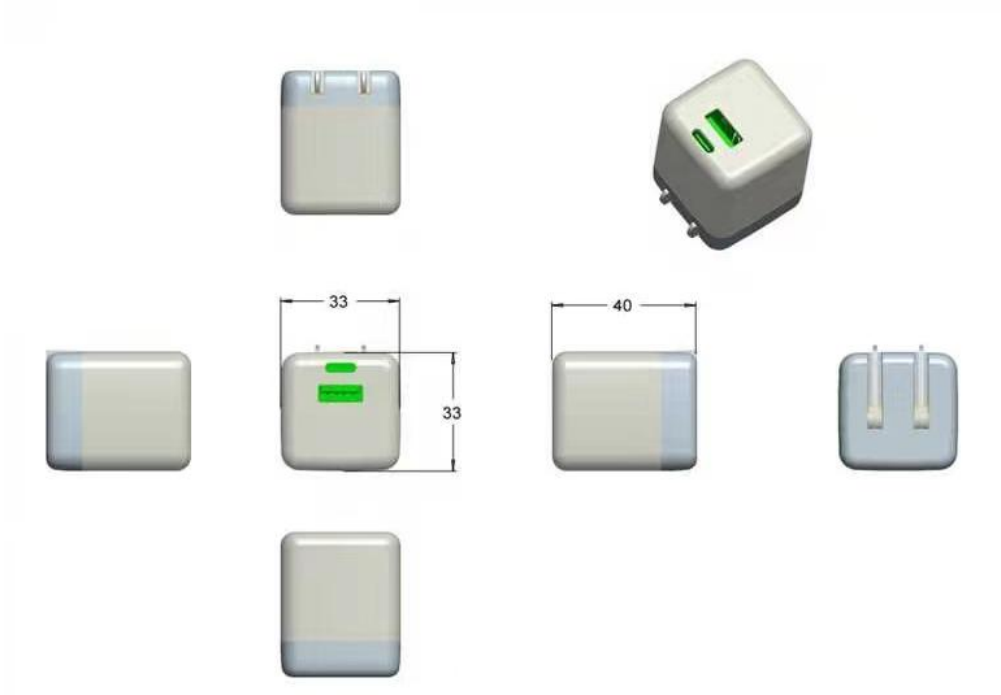
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5 Electromagnetic Compatibilities

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6 Mechanical Drawings



7 Product Photos



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