



MSTronic Co.,Ltd.

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SPECIFICATION

HK02-2405-USB

DC/USB Charger

1. INPUT :

1.1 Input Voltage: DC10V to DC32V Normal 12V/24V

2. OUTPUT :

2.1 Output Voltage & Current:

Model	HK-002-USB
OUTPUT	5.20V
Max. load	3.5A
Power	18W
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	2%
Noise %	5%

Note 1: 18W max

3. EFFICIENCY : 80% Min

4. PROTECTION

4.1 Short Circuit Protection

output Short GND Terminal will not damage the Power Supply
Auto-Reset once short circuit removed.

Short circuit protection was current limit type, the short circuit period don't over 30 sec.

4.2 Non-isolation circuit

4.3 Input DC reverse protection

4.4 Input have Fuse Protection.

4.5 Operation frequency is 500KHZ

4.6 Over Current Protection : 6 ~ 8A



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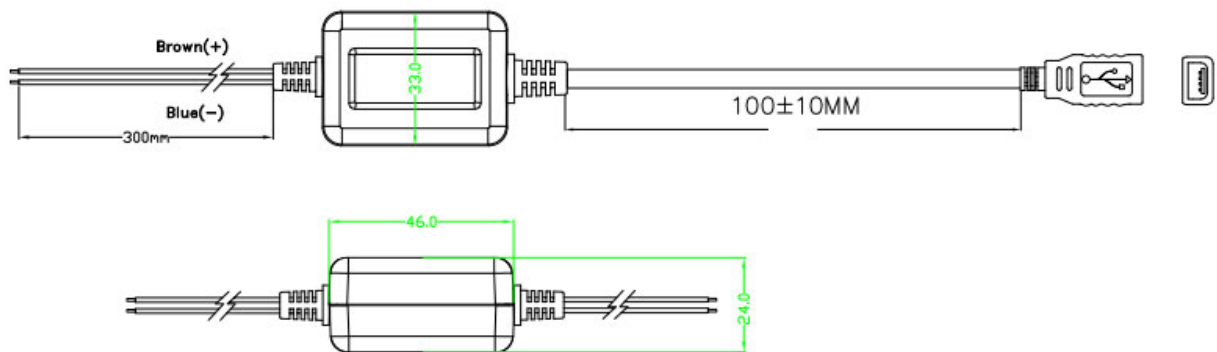
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5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -40 - +45 Degree
- 5.2 Storage Temperature: -40 - +85 Degree
- 5.3 Operation Humidity: 5% - 90%
- 5.4 Cooling: Free air cooling
- 5.5 SIZE : 46*33*24(L*D*H)m/m



6. USB Charger :

- 6.1 Supports USB Battery Charging Specification 1.2 (BC1.2 Charging Spec up to 1.5A)
- 6.2 Supports Apple® Device fast charging (up to 2.4A)
- 6.3 Supports Samsung Galaxy Tab Devices charging (up to 2.1A)
- 6.4 Supports Chinese Telecommunications Industry Standard YD/T 1591-2009
- 6.5 Automatic charging detection circuit for Apple, Samsung, and BC compliant devices

7. Connect

Standard output based on 300mm input and output cable (UL1007 18AWG)

Vin+ brown Vin- blue

Vout USB female

