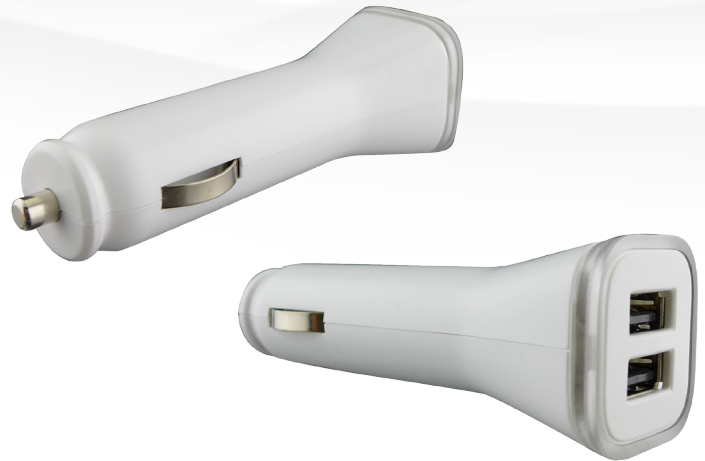


Vehicle Power Adapter

VA-10V

Product Features:

- Compliant with iPad, iPhone, iPod, tablets, smartphones, and all USB based devices
- Dual USB with dual 2A output
- Compatible with 10-24VDC. uCar2 turns the cigarette to a universal USB charging point
- Industrial leading octuple protections, incl. OVP, Input OCP, output OCP, UVP, OLP, OTP, SCP, RPP
- Advanced IC Chip technology to prevent back-flow current from electrical overload
- LED indicator for operation
- Elegant design with piano coating



General Description

A vehicle power adapter (VPA) with two USB-A receptacles for use with mobile electronics. The dual USB-A port micro VPA is to be compatible with various mobile devices and electronics.

Electrical Requirement

Descriptions	Conditions	Specification
Input Voltage	N/A	12-24VDC
Input current	No load	30mA maximum
Output Voltage Output A&B	Input voltage, no load Output A/B Input voltage, load 2A	4.75-5.25VDC 4.75-5.25VDC
Output Current		2A*2
Ripple	With VIN applied to the input, And load 1.6A*2 CC mode. Add a 0.1uF ceramic capacitor and 10uF capacitor at output connector terminals for ripple test. Frequency bandwidth is 20MHz.	200mV maximum
Output over-voltage protection		9Vdc maximum
Output over-current protection		2A min
Discharge current		50mA Max
Short protection	• The output shall be protected against a short circuit over the operating range • A continuous short circuit condition shall not produce excessive heat, smoke or fire • Upon short circuit condition removed, the USB charger shall still meet the specifications in this document	
ESD	EN61000-4-2	Pass per location at $\pm 2kV$, $\pm 4kV$ contact, and $\pm 2kV$, $\pm 4kV$, $\pm 8kV$ discharge.

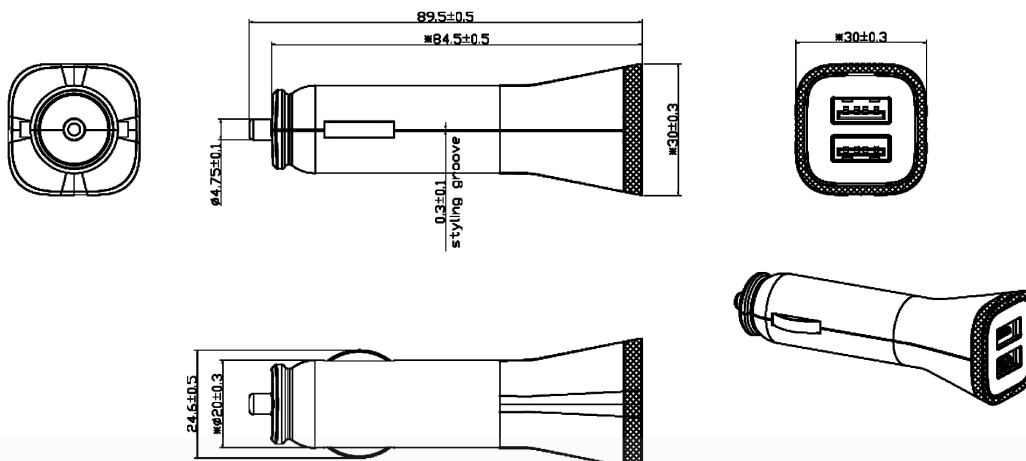
Mechanical Requirement

Dimension	89.5(L)×Φ30.0mm
Drop	After drop height is 30 inches onto concrete floor 6 times for all faces, Functional performances specifications must be met and no mechanical defects such as cracking, chipping, bent or broken contacts or separation are to occur.

Environmental Requirement

Operating temperature	-0°C~+40°C	Storage temperature	-40°C~+75°C
-----------------------	------------	---------------------	-------------

Mechanical Drawing



Accessories	
Default	USB Power Adapter USB to DC Jack cable (Length ; 1.2M)