

## YF-051000

### PWM-Mode Car Charger (USB Port)

可應用於手機和 USB 裝置

通過 CE 安規

Input : 車充 (12 ~ 24Vdc / 500mA Max.)

Output : USB接頭 (DC5.0V±0.2V / 850mA)

電流限制保護裝置

短路移除後自動重新充電裝置

過載. 過溫保護

尺寸 : 135mm x 38mm x 29.5mm



## Product Specification

### 1. Product : PWM-Mode Car Charger (USB Port)

**2. Product Description :** The PWM-mode Car Charger (USB Port) is to be used in the mobile telephone/USB application. It is designed for DC input ranged from 12V to 24Vdc, DC output with rated voltage of 5.0V and rated current of 850mA.

### 3. Electrical Characteristic :

#### 3.1 Primary

Rated input voltage : 12V ~ 24Vdc)

Rated input current : 500mA Max.

#### 3.2 Secondary

Rated Output : DC5.0V±0.2V at rated current 850mA with resistive loading

No Load Output : Max. 5.2V at no load condition

Output Ripple : 50mV peak-to-peak maximum at rated current 850mA with resistive loading(see appendix for ripple voltage measurement connection diagram)  
50mV peak-to-peak maximum at mobile phone charging condition

Rated Current : 850mA

Max. Output Current : 850mA @ 25°C, 850mA @ 0°C to +40°C

Efficiency : >80% at rated current 850mA with resistive loading

#### 3.3 Protection Circuit

Short Circuit protection : 1. Current limit and auto-restart after short circuit remove.

2. Thermal shutdown..

### 4. Temperature & Humidity

Operating Temperature : -10°C to +40°C

Storage Temperature : -40°C to +80°C, 20 hours, with specified carton-box packaging condition (No functional failure and observable cosmetic defect on the charger.

The wrinkle or yellowness or any cosmetic defect in the packaging material is defect in the packaging material is neglected.)

Relative Humidity : 5% to 95% RH (No observable condensation on the charger body)

### 5. Mechanical

Drop Test : Free drop on concrete floor at 1 meter high, 10 times with 6 faces, 3 edges, 1 corner. (No functional failure and observable crack or damage on the charger body).

Casing : Flame retardant material

### 6. Safety & EMC

Safety&EMC standards.....E4 MARK

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