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10W Compact Fixed Blade Charger Level V Efficient USB Adapter





#### Features

- Fixed Blade
- Very low leakage
- Level V Compliant

- Low Cost
- 5 Star Standby power < 0.03W
- OVP, OCP and short circuit protection

#### Applications

- Tablets
- Portable GPS Devices

- Personal Electronics
- Digital Camera

### **Safety Approvals**

• cUL/UL

#### **Mechanical Characteristics**

- Length: 45mm (1.77in)
- Width: 45mm (1.77in)

- Height: 27mm (1.06in)
- Weight: TBD

#### **Output Specifications**

Model	DC Output	Load		<b>Ripple</b> <sup>1</sup>	Regulation	
	Voltage	Min.	Max.	P-P (max)	Line	Load
PSAA10A-050QA-R	5.1V	0A	2.0A	300mV	±5%	
PSAA10A-050QW-R <sup>2</sup>	5.1V	0A	2.0A	300mV	±5%	

Note: (1) Measured after 10 minutes with by-pass capacitors 0.1uf // 10uf at output connector terminal and oscilloscope set at 20MHz.

(2) Model in white in place of standard black

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#### **PSAA10A Characteristics**

**INPUT: AC Input Voltage Rating** 100 to 240VAC

AC Input Voltage Range 90 to 264VAC

## **AC Input Current**

0.28A (RMS) maximum at 115VAC input 0.16A (RMS) maximum at 230VAC input

**Leakage Current** 20µA maximum at nominal input

#### Inrush Current (cold)

<60A for 240VAC at max. load (Cold start @ ambient 25°C)

Input Power Saving <150mW maximum at no load

#### OUTPUT: Power 10W Continuous

**Efficiency** Meets Level V Efficiency Requirements

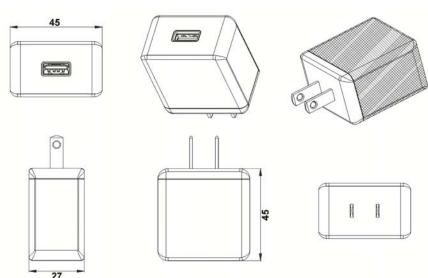
Hold-up Time 6mS minimum at nominal input

## **ENVIRONMENTAL:**

**Temperature** Operation Non-operation Humidity

0 to +40°C -20 to +70°C 10 to 90%

#### Dimension Diagram Unit: mm



# Emissions

FCC Class B EN55022 Class B

## Immunity

 ESD:
 EN61000-4-2.

 RS:
 EN61000-4-3
 Level 2

 EFT:
 EN61000-4-4
 Level 2

 Surge:
 EN61000-4-5.
 Level 3

 Dip:
 EN61000-4-11
 Level 3

 Harmonic:
 EN61000-3-2
 Flicker:

**Dielectric Withstand (Hi-pot) Test** Primary to Secondary: 4250VDC for 1 minute 5mA

Insulation Resistance Primary to Secondary: >10M ohm 500VDC

**FEATURES Over-voltage Protection** Output voltage shall not exceed 8V

**Over-current Protection** Output current shall not exceed 2A

**Short Circuit Protection** Auto recovery and no component damage

**DC Output Connector** USB A

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