



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 Voltage | Load | | Ripple ¹ P-P (max) | Regulation | |
|------------------------------|-------------------|------|------|----------------------------------|------------|------|
| | | Min. | Max. | | Line | Load |
| PSAA10A-050QA-R | 5.1V | 0A | 2.0A | 300mV | ±5% | |
| PSAA10A-050QW-R ² | 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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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 0 to +40°C

Non-operation -20 to +70°C

Humidity 10 to 90%

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: EN61000-3-3

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

Dimension Diagram Unit: mm

