



## 5 WATT – COMPACT FOLDING BLADE ADAPTER

### PSA05F Adapter Meets EISA and ENERGY STAR Requirements



★★★★★  
Standby Power



## Preliminary

### Features

- Folding Blades
- CC & CV control
- EPS 2.0 (Efficiency Level V) \*
- 15mm thick with blades folded
- 5 Star Standby power <0.03W

### Applications

- MPEG Players
- PDA
- Personal Electronics
- Digital Camera

### Safety Approvals (Pending)

- cUL/UL
- SAA
- C-Tick
- CE
- IEEE1725 Approved

### Mechanical Characteristics

- Length: 60mm (2.36in)
- Width: 47mm (1.85in)
- Height: 15.0mm (0.59in)
- Weight: 80g (3oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max)	Regulation Line	Regulation Load	Efficiency Level
		Min.	Max.				
PSA05F-050Q-H	5V	0A	1.0A	100mV	±5%	±5%	V

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

## PSA05F Characteristics

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### INPUT:

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

**AC Input Voltage Range**  
90 to 264VAC

**AC Input Current**  
0.25A(RMS) max. @ 120VAC  
0.125A(RMS) max. @ 240VAC

**Leakage Current**  
0.25mA max. @ 230VAC

**Inrush Current (cold)**  
<30A for 120VAC at max. load  
<60A for 240VAC at max. load  
(Cold start @ ambient 25°C)

**Input Power Saving**  
0.03W max. @ 230VAC at no load

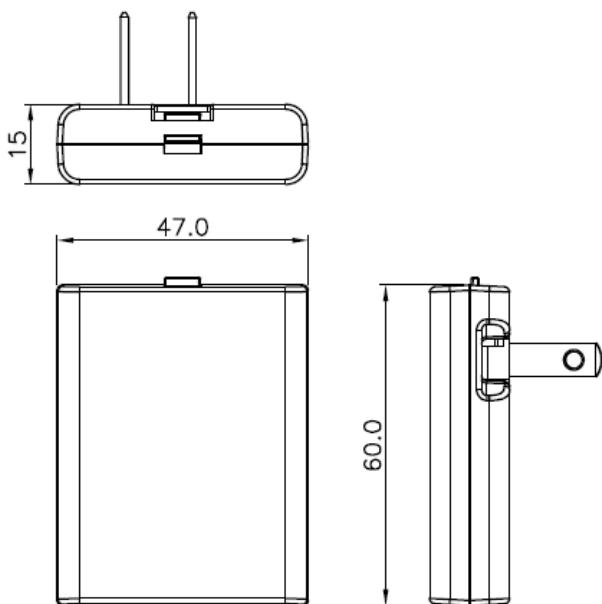
### OUTPUT:

**Efficiency**  
≥ 72.3% average efficiency

**Hold-up Time**  
10mS min. @ 120VAC and max. load

**Over-voltage Protection**  
>120%, Zener Clamp

## Dimension Diagram Unit: mm



### ENVIRONMENTAL:

Operation 0 to +40°C  
Non-operation -25 to +85°C

### Humidity

Operation 10 to 90%

### Immunity

ESD: EN61000-4-2. Level 3  
RS: EN61000-4-3. Level 2  
EFT: EN61000-4-4. Level 2  
Surge: EN61000-4-5. Level 3  
CS: EN61000-4-6. Level 2  
Voltage Dips EN61000-4-11  
Harmonic: EN61000-3-2

### Emissions

FCC Class B  
EN55022 Class B

### Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000VAC

### DC Output Connector

USB A  
D+ and D- pins shorted together inside the charger

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