



## 5 WATT – COMPACT FOLDING BLADE ADAPTER PSA05F Adapter Meets EISA and ENERGY STAR Requirements



**Preliminary**

★★★★★  
Standby Power

### 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
- IEEE1725 Approved
- CE

### 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		Efficiency Level
		Min.	Max.		Line	Load	
PSA05F-050Q	5V	0A	1.0A	100mV	±5%		Ⓥ

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

**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

**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

**Dimension Diagram Unit: mm**