



2.75W Compact Fixed Blade USB Charger PSM03A Adapter Meets EISA and ENERGY STAR Requirements



Standby Power
★ ★ ★ ★ ★



Features

- Fixed Blade
- CC & CV control
- EPS 2.0 (Efficiency Level V) *
- Low Cost
- 5 Star Standby power <0.03W
- No Y Cap

Applications

- MP3 Players
- PDA
- Personal Electronics
- Digital Cameras

Safety Approvals

- cUL/UL
- IEEE1725 Approved
- CE

Mechanical Characteristics

- Length: 58.1mm (2.29in)
- Width: 43.0mm (1.69in)
- Height: 21.0mm (0.83in)
- Weight: 80g (3oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max)	Regulation		Efficiency Level
		Min.	Max.		Line	Load	
PSM03A-050Q	5V	0A	0.55A	100mV	±5%		Ⓟ

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

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INPUT:

AC Input Voltage Rating
100 to 240VAC

AC Input Voltage Range
90 to 264VAC

AC Input Current
0.1A(RMS) max.

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
<0.15W max. @ 230VAC at no load

OUTPUT:

Efficiency
≥ 63.7% Average Efficiency
EPS 2.0

Hold-up Time
10mS min. @ 115VAC and max. load

Over-voltage Protection
8.5VDC max.

Short Circuit Protection

Output can be permanently shorted without damage when operated within specified input voltage and operating temperature ranges

ENVIRONMENTAL:

Temperature

Operation -10 to +45°C
Non-operation -40 to +85°C

Humidity (Relative Humidity Max)

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 Part 15 Class B
EN55022 Class B
CISPR 22 Class B

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000VAC 10mA for 1 minute

DC Output Connector

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

Dimension Diagram Unit: mm

