



2.5W Compact Fixed Blade Charger EPS Version 2.0 Compliant USB Adapter



★★★★★
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

- MPEG Players
- PDA
- Personal Electronics
- Digital Camera

Safety Approvals

- cUL/UL
- IEEE1725 Approved
- CE
- Energy Star

Mechanical Characteristics

- Length: 42mm (1.65in)
- Width: 43mm (1.65in)
- Height: 21.0mm (0.87in)
- Weight: 80g (3oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple (1)	Regulation	
		Min.	Max.	P-P (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 and oscilloscope set at 20MHz.

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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:

Power

2.75W Maximum

Efficiency

EPS 2.0 Level V

63.7% minimum average efficiency

No-Load Power Saving

0.03W maximum at 115VAC/230VAC

Hold-up Time

10mS min. @ 120VAC and max. load

Over-voltage Protection

>120%, Zener Clamp

ENVIRONMENTAL:

Temperature

Operation -10 to +40°C

Non-operation -40 to +85°C

Humidity

Operation 10 to 90%

Immunity

ESD: EN61000-4-2. Level 4

Surge: EN61000-4-5. Level 4

Harmonic: EN61000-3-2

Flicker: EN61000-3-3

Emissions

FCC Class B

EN55022 Class B

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000VAC

Insulation Resistance

Primary to Secondary: 7M ohm 500VDC

MTBF

200K hours minimum at 120VAC, max load

(measured at ambient 25°C)

DC Output Connector

USB A

D+ and D- pins shorted together inside the charger

Dimension Diagram Unit: mm

