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[Phihong USA](#)
[PSM03A-050Q](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

WWW.PHIHONG.COM



2.75W Compact Fixed Blade Charger EISA Compliant Level VI Efficient USB Adapter



Standby Power
 ★★★★★



Features

- Fixed Blade
- CC & CV control
- Level VI Compliant
- 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

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) P-P (max)	Regulation		Case Color
		Min.	Max.		Line	Load	
PSM03A-050Q	5V	0A	0.55A	100mV	±5%		Black
PSM03A-050Q-3W	5V	0A	0.55A	100mV	±5%		White

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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PSM03A Characteristics

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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
 DOE Level VI

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

