



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



★★★★★  
Standby Power



### Features

- Fixed Blade
- CC & CV control
- Level V 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)<br>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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**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)**

&lt;30A for 120VAC at max. load

&lt;60A for 240VAC at max. load

(Cold start @ ambient 25°C)

**Input Power Saving**

&lt;0.15W max. @ 230VAC at no load

**OUTPUT:****Power**

2.75W Maximum

**Efficiency**

Meets Level V Efficiency Requirements

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**

&gt;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**

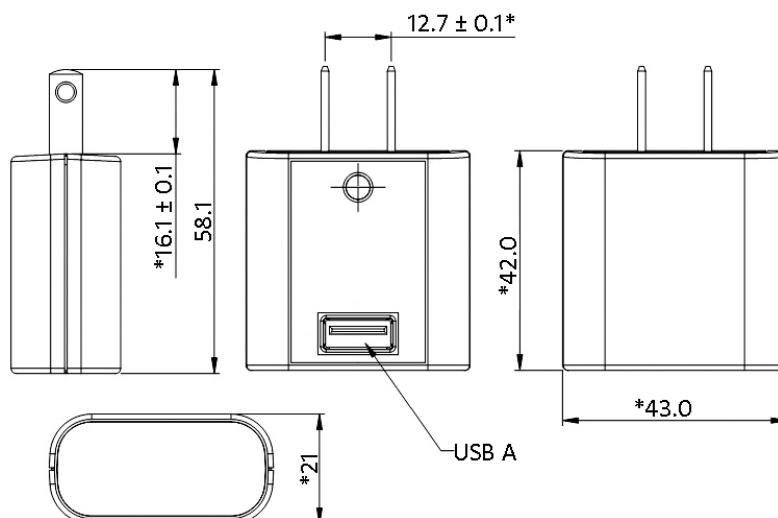
200K hours minimum at 120VAC, max load

(measured at ambient 25°C)

**DC Output Connector**

USB A

D+ and D- pins shorted together inside the charger

**Dimension Diagram Unit: mm**

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[PSM03A-050Q-3-R](#) [PSM03A-050Q-3W-R](#)