



## 2.75W Compact Fixed Blade Charger (Europe) Ecodesign Compliant USB Adapter



### Features

- Fixed Blade
- CC & CV control
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Ecodesign EU CoC Ver 5 Tier 2 Compliant
- Low Cost
- 5 Star Standby power <0.03W
- No Y Cap
- Halogen Free

### Applications

- MPEG Players
- PDA
- Personal Electronics
- Digital Camera

### Safety Approvals

- CE
- 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	
PSM03E-050Q	5V	0A	0.55A	100mV	±5%		Black
PSM03E-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**

0.20mA max. @ 264VAC

**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;30mW max. @ 230VAC at no load

**OUTPUT:****Power**

2.75W Maximum

**Efficiency**

EU Coc Ver5 Tier 2

**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 0 to +40°C

Non-operation -25 to +85°C

Humidity 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**

Complies with FCC Class B

Complies with EN55032 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**

