



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



★★★★★  
Standby Power



### Features

- Fixed Blade
- CC & CV control
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b 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: 49mm (1.93in)
- 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	
PSM03K-050Q	5V	0A	0.55A	100mV	±5%		Black
PSM03K-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)**  
<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**  
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**

>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**

