



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	
		Min.	Max.		Line	Load
PSM03K-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
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

