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



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

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Halogen Free

Applications

- MPEG Players
- PDA

Safety Approvals

• CE

Mechanical Characteristics

- Length: 49mm (1.93in)
- Width: 43mm (1.65in)

Digital Camera

Personal Electronics

• IEEE1725 Approved

- Height: 21.0mm (0.87in)
- Weight: 80g (3oz)

Output Specifications

Model	DC Output	Load		Ripple (1)	Regulation	
	Voltage	Min.	Max.	P-P (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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PSM03K Characteristics

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

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Over-voltage Protection >120%, Zener Clamp

ENVIRONMENTAL:

TemperatureOperation-10 to +40°CNon-operation-40 to +85°C

Humidity

Operation

Immunity

 ESD:
 EN61000-4-2.
 Level 4

 Surge:
 EN61000-4-5.
 Level 4

 Harmonic:
 EN61000-3-2
 Flicker:

10 to 90%

Emissions

FCC Class B EN55022 Class B

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000VAC

Insulation Resistance

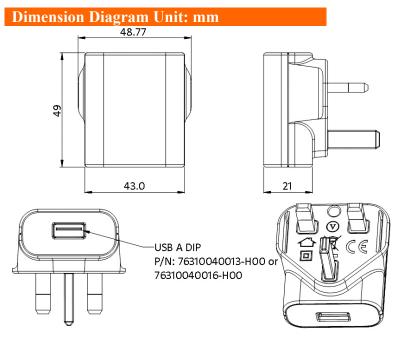
Primary to Secondary: 7M ohm 500VDC

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



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