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Model	DC Output	Load		Ripple <sup>(1)</sup>	Regulation	Efficiency
	Voltage	Min.	Max.	P-P (max.)	Line & Load	Level
PSA05F-050Q-H	5V	0A	1.0A	100mV	±5%	V

(1) Measured after 10 minutes with by-pass capacitors 0.1 uF//10 uF at output connector terminal.

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## **PSA05F Characteristics**

Input: AC Input Voltage Rating 100 to 240V AC

**AC Input Voltage Range** 90 to 264V AC

**AC Input Frequency** 47 to 63Hz

**Input Current** 0.3A (RMS) maximum

**Input Power Saving** < 0.03W

Output: Power 5W continuous

Efficiency 68% minimum; level V

**Ripple and Noise** 100mV

**Power Saving Mode** <30mW at 115V AC/230V AC and no load

**Over-Current Protection** 1.1A maximum

**Over-Voltage Protection** 8.5V DC maximum, Zener Clamping

**Short-Circuit Protection** Output can be shorted permanently without damage

Interchangeable Clips FPBAG-H (Europe, UK, Australia) FPE-H (Europe) FPK-H (UK) FPS-H (Australia) **Environmental: Temperature** Operation Non-operation Relative Humidity

0 to +40°C -40 to +85°C 10 to 90%

**Emissions** FCC Class B part 15 EN55022 Class B

 Immunity
 Level 4

 EN61000-4-5
 Level 4

 Harmonic: EN61000-3-2
 Class A

 Flicker: EN61000-3-3

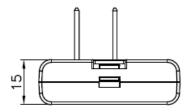
**Dielectric Withstand (Hi-pot) Test** Primary to Secondary: 3000V AC for 1 min., 10mA

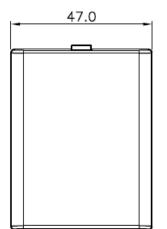
**Insulation Resistance** Primary to Secondary: 7 M ohm 500V DC

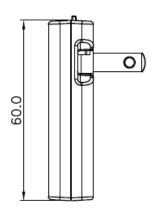
**Reliability** MTBF: 200K hours minimum at 120V AC and max load at 25°C ambient temperature.

**DC Output Connector** USB Type A

## Dimension Diagram Unit: mm







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