

KT05W SERIES

6W SWITCHING AC-DC ADAPTER

Horizontal Type



Features

- * Universal Input Range 90~264VAC
- * Meets EN55022 Class B and CISPR/FCC Class B
- * Continuous Short Circuit Protection
- * Over Voltage Protection
- * Meet CEC & ErP Level VI



Typical Model List

OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE (NOTE 2)	VOLTAGE ACCURACY (NOTE 1)	LINE REGULATION (NOTE 3)	LOAD REGULATION (NOTE 4)	MAX OUTPUT POWER
3.6-5.0V	1200mA	250mV	±5%	±2%	±5%	6.0W
5.1-6.0V	1000mA	250mV	±5%	±2%	±5%	6.0W
7.0-12V	660mA	250mV	±5%	±2%	±5%	6.0W

Specification

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 50 to 60Hz
 Input Current 0.2A max.
 Inrush Current Cold Start @25°C 50A max. @240Vac
 Leakage Current 0.25mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time 10ms typ. @115Vac
 Short Circuit Protection..... Continuous(Auto Recovery)
 Over Voltage Protection..... Yes
 Temperature Coefficient..... $\pm 0.05\%/^{\circ}\text{C}$

GENERAL SPECIFICATIONS:

Hi-pot Input to output = 3.000VDC
 Operating Temperature 0 ~ 40°C
 Storage Temperature..... -20 ~ 80°C
 Humidity.....85% RH max. Non condensing

Cooling..... Natural Convection
 Switching Frequency 46-64KHz Typical
 MTBFMIL-HDBK-217F, GB, at 25°C/115VAC....50Khrs min.
 Altitude 5000m

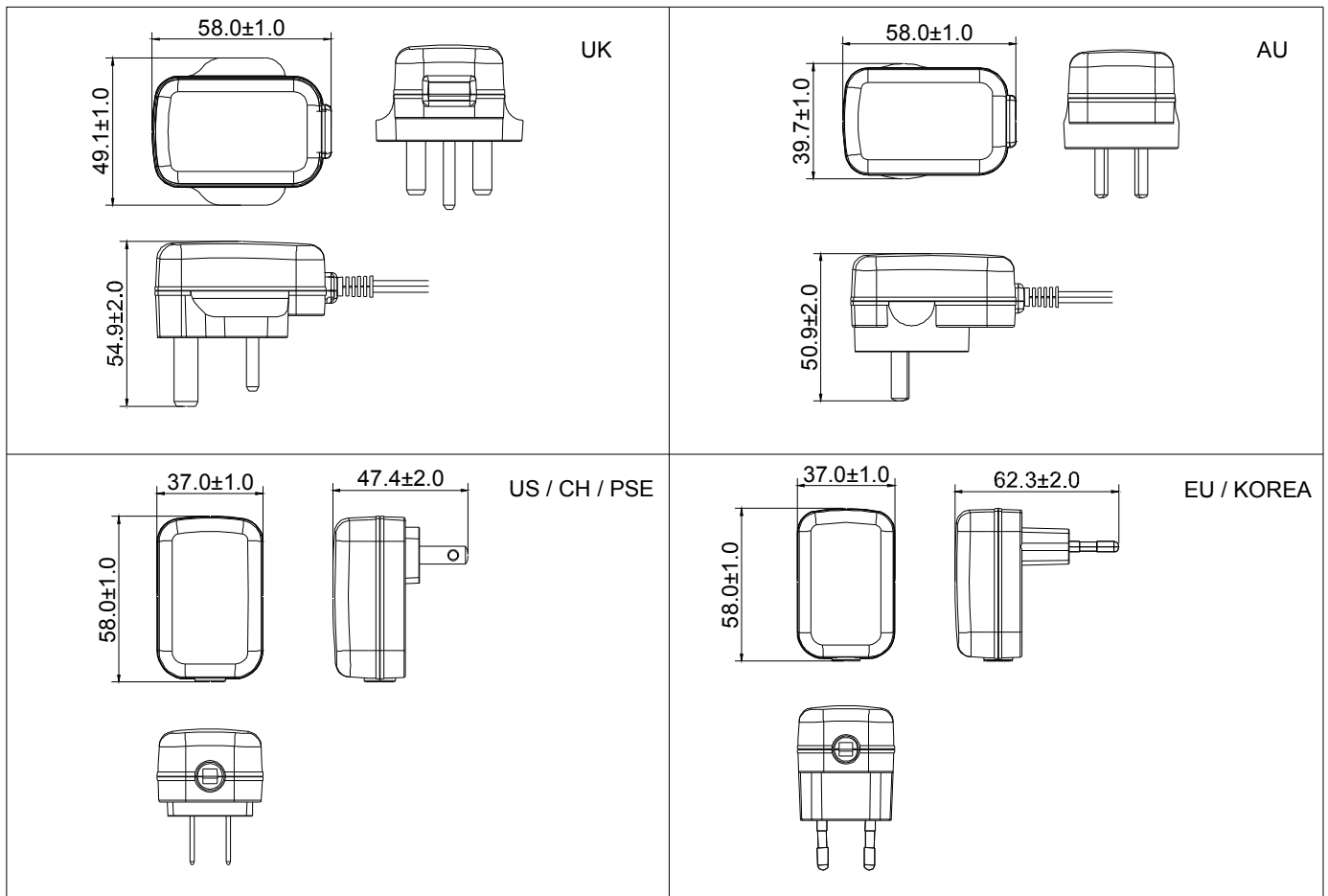
SAFETY AND EMC:

Emission and Immunity EN55022 Class B, FCC Part 15
 Class B EN61000-6-3,EN61000-3-2,EN61000-3-3, EN55024
 Safety IEC60950, EN60950, UL60950,
 IEC60065, EN60065, IEC61558, EN61558

NOTE:

1. Voltage accuracy at 60% full load.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation is measured from 100V to 240Vac full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full load)

Mechanical Specification



All Dimensions are in mm, Tolerance: X.X±0.5

Typical at 25°C, nominal line and 75% load, unless otherwise Specified