KUANTEN
Solutions for efficient power supplies

KT10W SERIES

10W SWITCHING AC-DC ADAPTER

Vertical 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
4.5-5.0V	2000mA	100mV	±5%	±1%	±5%	10.0W
5.1-6.0V	1500mA	100mV	±5%	±1%	±5%	9.0W
9.0-12V	1000mA	100mV	±5%	±1%	±5%	12.0W

Specifications are subject to change without notice

Specification

INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac

Frequency ..... 47 to 63Hz

Input Current ..... 0.4A max.

Inrush Current ..... Cold Start @25℃ 60A 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..... ±0.05%/℃

GENERAL SPECIFICATIONS:

Hi-pot ..... Input to output = 3.000VDC

Operating Temperature ..... 0 ~ 35℃

Storage Temperature..... -20 ~ 80℃

Humidity.....85% RH max. Non condensing

Cooling..... Natural Convection

Switching Frequency ..... 50KHz Typical

MTBF ....MIL-HDBK-217F, GB, at 25℃/115VAC....50Khrs min.

Altitude 5000m

SAFETY AND EMC:

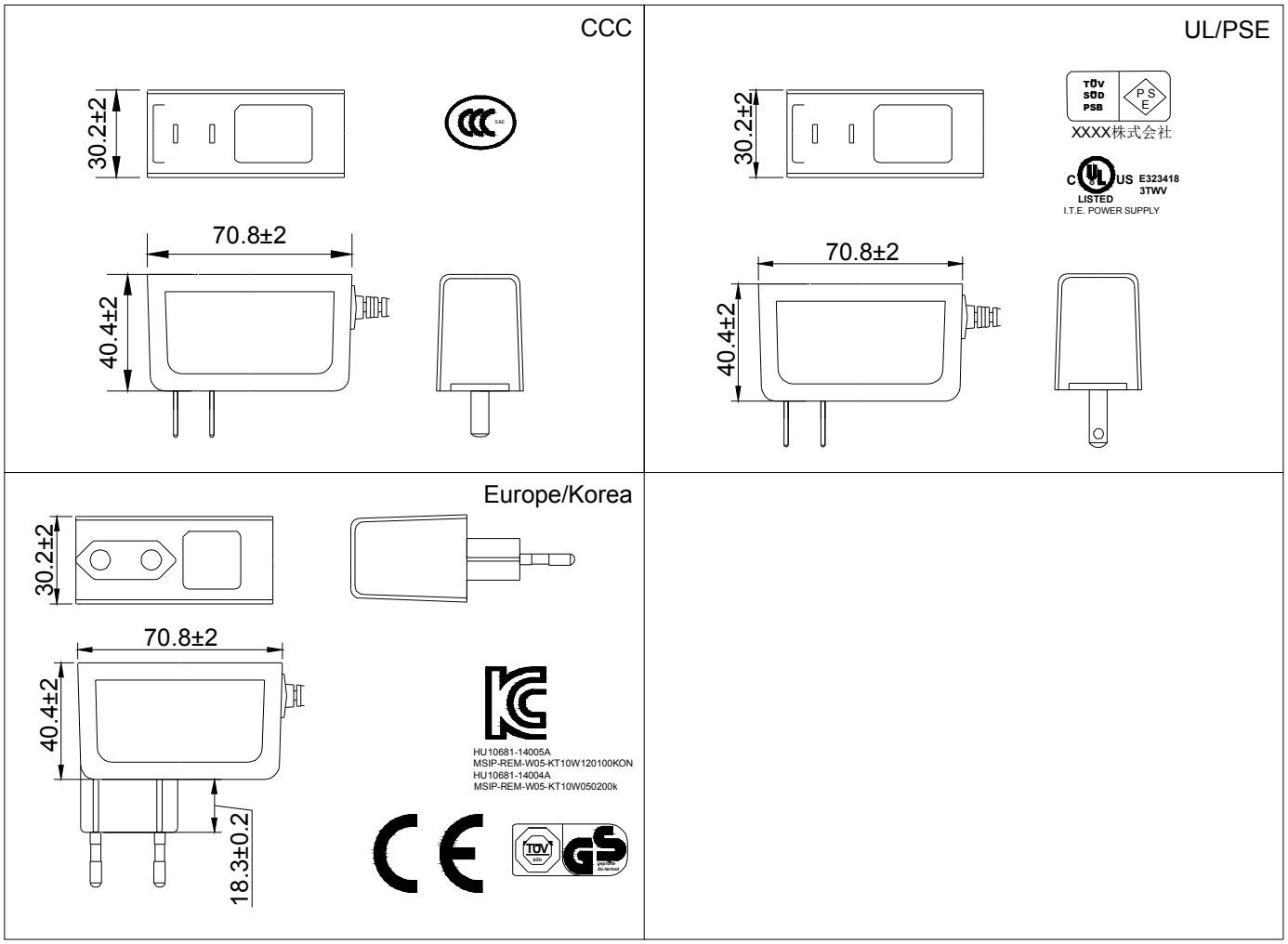
Emission and Immunity ..... EN55022 Class B, FCC Part 15 Class B EN61000-6-3,EN61000-3-2,EN61000-3-3, EN55024

Safety IEC60950, EN60950, UL60950

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