

KT12W SERIES

12W 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
3.6-5.5V	2000mA	150mV	±5%	±1%	±5%	11.0W
5.6-8.9V	1960mA	150mV	±5%	±1%	±5%	11.16W
9.0V	1400mA	150mV	±5%	±1%	±5%	12.6W
9.1-11.8V	1310mA	150mV	±5%	±1%	±5%	12.0W
11.9-12.6V	1000mA	150mV	±5%	±1%	±5%	12.6W
12.7-19.0V	940mA	150mV	±5%	±1%	±5%	12.06W
19.1-30.7V	620mA	150mV	±5%	±1%	±5%	12.0W
30.8-32.0V	380mA	150mV	±5%	±1%	±5%	12.16W

Specification

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 47 to 63Hz
 Input Current 0.4A max.
 Inrush Current Cold Start @25°C 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..... $\pm 0.05\%/^{\circ}\text{C}$

GENERAL SPECIFICATIONS:

Hi-pot Input to output = 3.000VDC
 Operating Temperature 0 ~ 35°C
 Storage Temperature..... -20 ~ 80°C
 Humidity.....85% RH max. Non condensing

Cooling..... Natural Convection
 Switching Frequency 50KHz 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

US/CH/PSE	EU/Korea

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

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