

## KT36W SERIES

36W 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 |
|----------------|----------------|-------------------------|---------------------------|--------------------------|--------------------------|------------------|
| 9.0-12.0V      | 3000mA         | 150mV                   | ±5%                       | ±1%                      | ±5%                      | 36.0W            |
| 12.1-19.0V     | 2970mA         | 150mV                   | ±5%                       | ±1%                      | ±5%                      | 36.0W            |
| 19.1-32.0V     | 1880mA         | 150mV                   | ±5%                       | ±1%                      | ±5%                      | 36.0W            |
| 32.1-48.0V     | 1120mA         | 150mV                   | ±5%                       | ±1%                      | ±5%                      | 36.0W            |

## Specification

### INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac  
 Frequency ..... 47 to 63Hz  
 Input Current ..... 1.0A 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 ~ 40°C  
 Storage Temperature..... -20 ~ 80°C  
 Humidity.....85% RH max. Non condensing

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

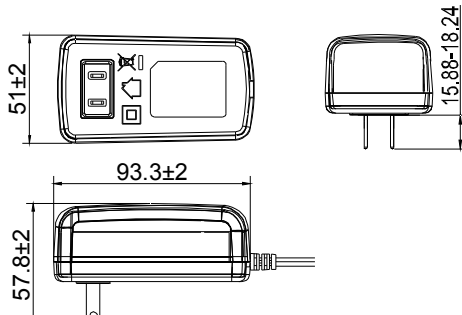
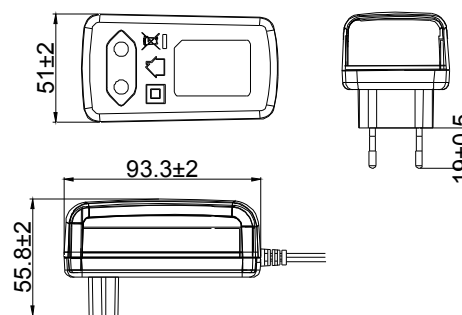
### SAFETY AND EMC:

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