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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## 24 Watt DoE Level VI Universal Input, Wall-mount Adapters With Interchangeable AC plug

### INPUT SPECIFICATIONS

All specifications are typical at nominal input, full load.

### INPUT SPECIFICATIONS

|                 |  |
|-----------------|--|
| Input Voltage   | AC 100 – 240VAC                                  |
| Input Frequency | 50 – 60Hz  |
| Input Current   | 0.58A Max  |
| Protection      | Internal Primary Current Fuse<br>Inrush Limiting |

### OUTPUT SPECIFICATIONS

|                    |  |
|--------------------|--|
| Output Voltage     | See Chart  |
| Efficiency         | DoE Level VI, Energy Star, ErP<br>Stage 2, NRCAN, GEMS Level VI                |
| Protection         | Short Circuit Protection<br>Over Current Protection<br>Over Voltage Protection |
| Ripple             | 1 - 2 % Vp-p (max)   |
| Hold-Up Time       | 10 mS (min)  |
| Transient Response | 0.5mS for 50% Load Change(typ)   |
| Load Regulation    | ± 5% (typ)   |
| Leakage Current    | 0.25mA @ 2 pin   |

### GENERAL SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| MTBF(Calculated)                | 300,000 Calculated hours at 25°C<br>by Telcordia SR-332 |
| Dielectric Withstanding Voltage | 3,000 VAC Primary – Secondary                           |
| EMI Conduction & Radiation      | Compliance to EN55022 Class B                           |
| Harmonic Current                | Compliance to EN61000-3-2,3                             |
| EMS Immunity                    | Compliance to EN61000-4-<br>2,3,4,5,6,8,11              |
| Safety Approvals                | UL/cUL/CE/CB/GS/PSE/FCC/RCM                             |



### FEATURES

- DoE LEVEL VI
- UNIVERSAL INPUT (AC100-240V)
- OVER VOLTAGE PROTECTION
- OVER CURRENT PROTECTION
- SHORT CIRCUIT PROTECTION
- ROHS COMPLIANT

### ENVIRONMENTAL SPECIFICATIONS

|                       |               |
|-----------------------|---------------|
| Operating Temperature | 0°C~+40°C     |
| Storage Temperature   | -20°C ~ +80°C |
| Cooling.              | Convection    |
| Operating Humidity    | 20 – 80% Rh   |
| Storage Humidity      | 10 – 90% Rh   |

### MECHANICAL SPECIFICATIONS

|                            |                                 |
|----------------------------|---------------------------------|
| Case Dimension             | L75 x W36 x H66(mm)             |
| Available Input Connectors | USA, EU, UK, AUS,<br>CHN, KOR   |
| DC Cord                    | 18AWG<br>(Optional 20 & 22 AWG) |
| Output Connector           | 5.5 x 2.1 x 9.5 mm C+           |

| Model Number      | Output Voltage | Output Current | Max Output Power |
|-------------------|----------------|----------------|------------------|
| KTPS24-05040MP-VI | 5.0V           | 4.0A           | 20.00W           |
| KTPS24-06035MP-VI | 5.9V           | 3.5A           | 20.65W           |
| KTPS24-06040MP-VI | 5.9V           | 4.0A           | 23.60W           |
| KTPS24-07030MP-VI | 7.0V           | 3.0A           | 21.00W           |
| KTPS24-07530MP-VI | 7.5V           | 3.0A           | 22.50W           |
| KTPS24-09025MP-VI | 9.0V           | 2.5A           | 22.50W           |
| KTPS24-12020MP-VI | 12.0V          | 2.0A           | 24.00W           |
| KTPS24-15016MP-VI | 15.0V          | 1.6A           | 24.00W           |
| KTPS24-24010MP-VI | 24.0V          | 1.0A           | 24.00W           |
| KTPS24-48005MP-VI | 48.0V          | 0.5A           | 24.00W           |

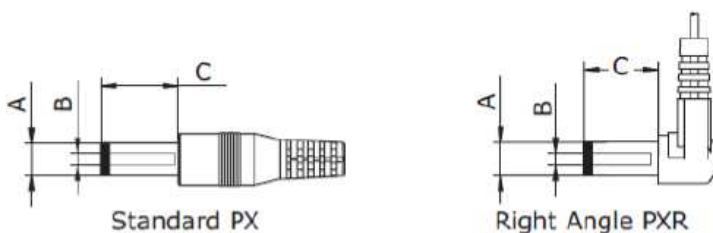
### Part Number Key:

**KTPS24- xxx yy MP - VI - z - p**

**xxx** = output voltage      12=12.0V 135 = 13.5V example  
**yy** = output current      55 = 5.5 amp example  
**z** = AC input plug      C = IEC 320 C14, D=IEC 320 C6  
**p** = output connector      P1/(R)\* = 2.1/5.5/9.5mm, P2/(R)\* = 2.5/5.5/9.5...  
    \* **R** = Right Angle Connectors

Note: Center Positive (+) standard

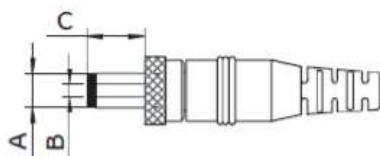
### Standard DC Plug



|          | A   | B    | C   | Unit |
|----------|-----|------|-----|------|
| P1 / P1R | 5.5 | 2.1  | 9.5 | mm   |
| P2 / P2R | 5.5 | 2.5  | 9.5 | mm   |
| P3 / P3R | 3.5 | 1.35 | 9.5 | mm   |
| P4 / P4R | 3.8 | 1.35 | 9.5 | mm   |
| P5 / P5R | 3.8 | 1.05 | 9.5 | mm   |

**P100 = User Defined**

### Locking DC Plug



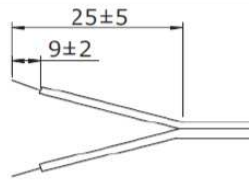
|    | A   | B   | C   | Unit |
|----|-----|-----|-----|------|
| P6 | 5.5 | 2.1 | 9.5 | mm   |
| P7 | 5.5 | 2.5 | 9.5 | mm   |



# KTPS24 Series

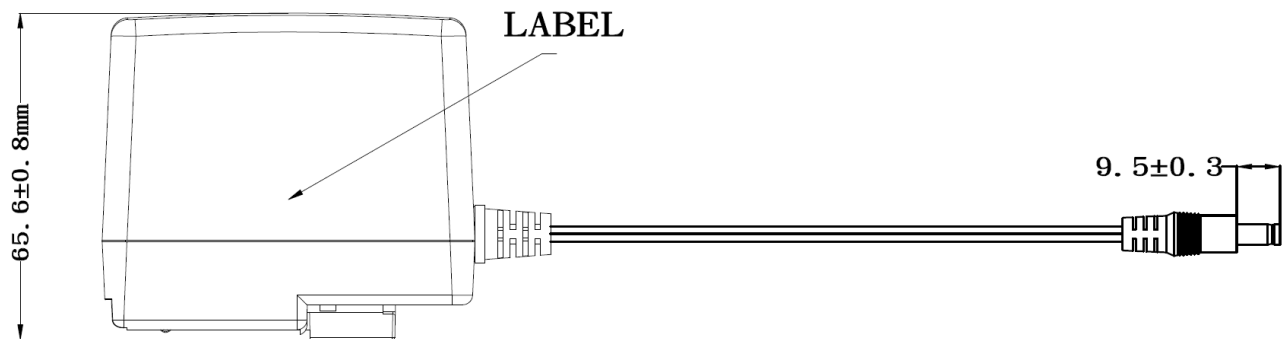
DoE Level VI

## Stripped and Tinned

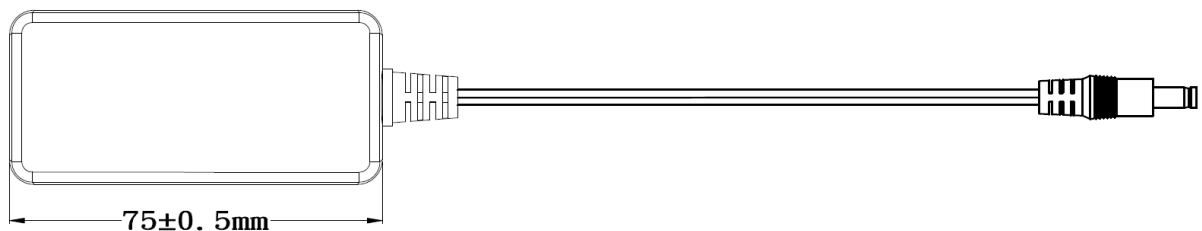


ST = Stripped and Tinned

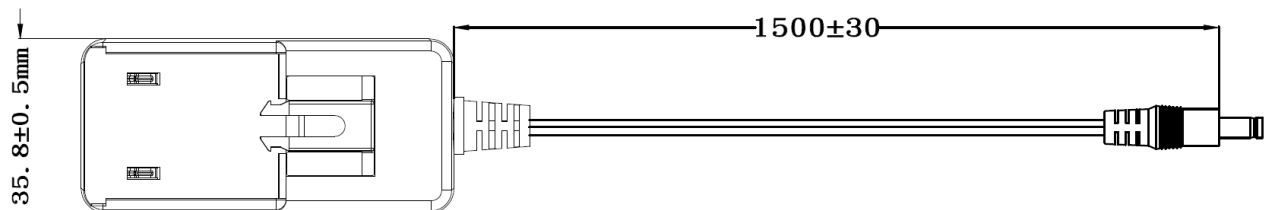
## Mechanical Drawing:



SIDE VIEW



TOP VIEW



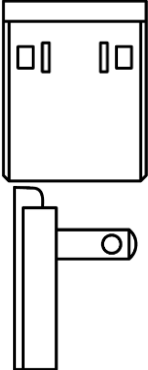
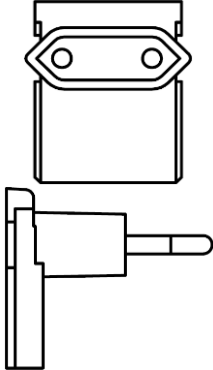
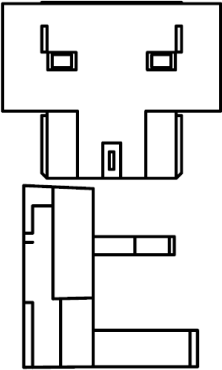
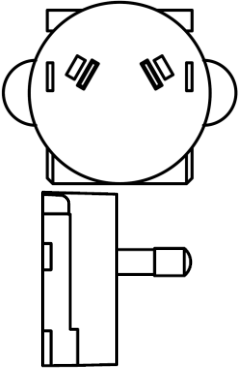
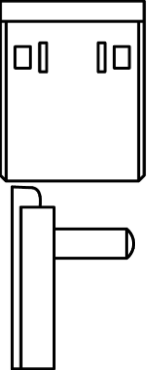
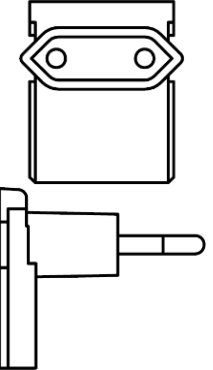
BOTTOM VIEW



# KTPS24 Series

DoE Level VI

## Available AC Plugs:

| <input type="checkbox"/> USA   | <input type="checkbox"/> Europe  | <input type="checkbox"/> U.K.  | <input type="checkbox"/> Australia  | <input type="checkbox"/> China   | <input type="checkbox"/> Korea   |
|--|--|--|---|--|--|
| 39.2*31.2*<br>26   | 39.2*35*45   | 39.2*48.6*37.5   | 40*55*34  | 39.2*31.2*<br>26   | 39.2*35*45   |
|  |  |  |  |  |  |