



Volgen 10 Watt Series

Wall Mount Type

www.volgen.com

USA / Japan / Taiwan / Europe / U.K.

Green Mode

Meet CEC, Energy Star & ERP Regulations
No Load Power Consumption Less Than 0.3W

Features:

- 100-240VAC Universal Input
- Single Output to 10W
- Regulated Output with Low Ripple Noise
- Meets Safety Agency Requirements and Complies EMI/EMS,
- Modified and Custom Designs Available
- 1 Year Warranty

| Model | O/P Voltage | O/P Current | Watt |
|-----------------|-------------|-------------|--------|
| KTPS10-03320WA | 3.3V | 2.0A | 6.60W |
| KTPS10-0452WA | 4.5V | 2.0A | 9.00W |
| KTPS10-05020WA | 5.0V | 2.0A | 10.00W |
| KTPS10-05026WA | 5.0V | 2.5A | 12.50W |
| KTPS10-06020WA | 6.0V | 2.0A | 12.00W |
| KTPS10-07514WA | 7.5V | 1.4A | 10.50W |
| KTPS10-08413WA | 8.4V | 1.3A | 10.92W |
| KTPS10-09012WA | 9.0V | 1.2A | 10.80W |
| KTPS10-12010WA | 12.0V | 1.0A | 12.00W |
| KTPS10-13508WA | 13.5V | 0.8A | 10.80W |
| KTPS10-15008WA | 15.0V | 0.8A | 12.00W |
| KTPS10-18006 WA | 18.0V | 0.66A | 11.88W |
| KTPS10-24005WA | 24.0V | 0.5A | 12.00W |

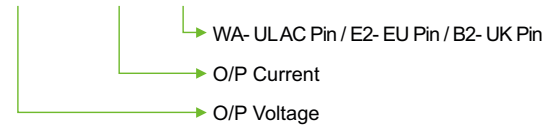
Input

| | |
|----------------|-----------------------------------------------------------|
| Voltage | 100-240 VAC |
| Line Frequency | 50-60Hz |
| Current | 0.31A Max. |
| Protection | Internal Primary Current Fuse, Inrush Limiting |
| AC Inlet | WA for UL AC Pin (Side) E2 for EU Pin B2 for UK Pin |

Output

| | |
|--------------------|----------------------------------------------------------------------------|
| Load Regulation | ± 5% Typical |
| Ripple | 1~2%V p-p Max. for Output Voltage@ Full Load |
| Transient Response | 0.5mS for 50% Load Change Typical |
| Holdup Time | 10mS @ Full Load |
| Protection | Short Circuit Protection/ Over Voltage Protection/ Over Current Protection |
| DC Cord | 22AWG / 20AWG / 18AWG |
| Ferrite Core | Yes |

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Safety Approvals

For USA- CB / UL / cUL / FCC / PSE / BSMI / LPS

For Europe- CB / GS / CE / LPS

For U.K.- CB / CE / LPS

Electrical

| | |
|----------------------------|---------------------------------------------------|
| Topology | Switching Flyback |
| Dielectric Withstand | 3000 VAC Primary - Secondary |
| Leakage Current | 0.25mA @ 2 Pin |
| Efficiency | Meet Energy Star Level V & ERP Stage 2 |
| EMI Conduction & Radiation | Compliance to EN55022 Class B |
| Harmonic Current | Compliance to EN61000-3-2,3 |
| EMS Immunity | Compliance to EN61000-4-2,3,4,5,6,8,11 |
| MTBF | 50,000 Calculated Hours at 25°C, by MIL-HDBK-217F |

Environmental

| | |
|-----------------------|--------------------------------------------------|
| Operating Temperature | 0 to +40°C |
| Storage Temperature | -20 to +80°C |
| Relative Humidity | Operating: 20 to 80% RH Storage: 10 to 90% RH |
| Cooling | Natural Convection Cooling |

Mechanical

| | |
|-----------------|----------------------------------------------------------------------------------------------|
| Case Dimensions | U2 - L 72 x W 34 x H 59 (mm) E2 - L 72 x W 34 x H 80 (mm) B2 - L 72 x W 50 x H 72 (mm) |
| Weight | U2:126g / E2:128g / B2:130g (reference) |

