

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



### Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









### **KTPS90 Series**

DoE Level VI

## 90 Watt DoE Level VI Universal Input, Desktop Adapter

#### **INPUT SPECIFICATIONS**

All specifications are typical at nominal input, full load.

INPUT SPECIFICATIONS			
Input Voltage	AC 100 – 240VAC		
Input Frequency	50 – 60Hz		
Input Current	1.2A Max		
Protection	Internal Primary Current Fuse Inrush Limiting		

OUTPUT SPECIFICATIONS			
Output Voltage	See Chart		
Efficiency	DoE Level VI, Energy Star, ERP Stage 2, & GEMS Level VI Certified		
Protection	Short Circuit Protection		
	Over Current Protection		
	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 / 3.5mA @ 3 pin		

GENERAL SPECIFICATIONS			
MTBF(Calculated)	300,000 Calculated hours at 25°C 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- 2,3,4,5,6,8,11		
Safety Approvals	UL/cUL/CE/CB/GS/PSE/FCC		



#### **FEATURES**

- UNIVERSAL INPUT (AC100-240V)
- DoE LEVEL VI
- 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	L139 x W61 x H36(mm)		
Input Configuration	IEC320-C6 (Optional C14)		
DC Cord	18AWG (Optional 16 & 14 AWG)		
Output Connector	5.5 x 2.5 x 9.5 mm C+		

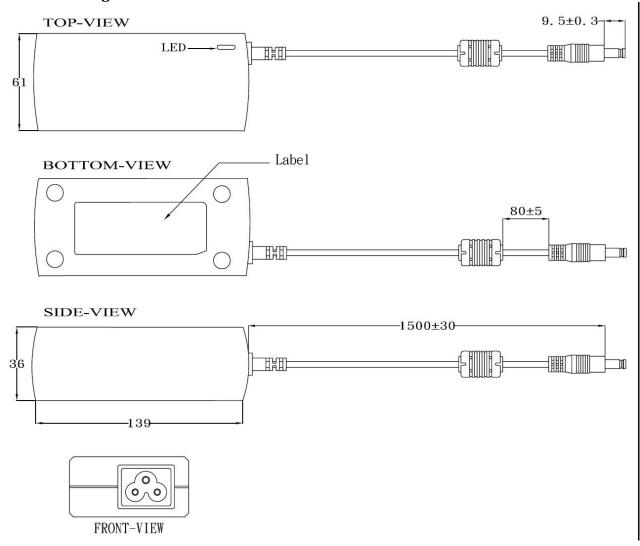


# **KTPS90 Series**

DoE Level VI

Model Number	Output Voltage	Output Current	Max Output Power
KTPS90-1207	12.0V	7.00A	84W
KTPS90-1506	15.0V	6.00A	90W
KTPS90-1656	16.0V	5.60A	90W
KTPS90-1805	18.0V	5.00A	90W
KTPS90-1947	19.0V	4.74A	90W
KTPS90-2045	20.0V	4.50A	90W
KTPS90-2437	24.0V	3.75A	90W
KTPS90-3030	30.0V	3.00A	90W
KTPS90-4818	48.0V	1.88A	90W

### **Mechanical Drawing:**



Kaga Electronics (USA) Inc. 780 Montague Expressway, Suite #403, San Jose, CA 95131 Phone: (408) 570-0955 | Fax: (408) 570-0186 | Toll Free: (888) 2-VOLGEN (888-286-5436) www.volgen.com