

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!



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KTPS90 Series

90 Watt 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	CEC Level V, ErP Stage 2			
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)	50,000 Calculated hours at 25°C by MIL-HDBK-217F			
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)
- CEC LEVEL V
- 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	Humidity 10 – 90% Rh		

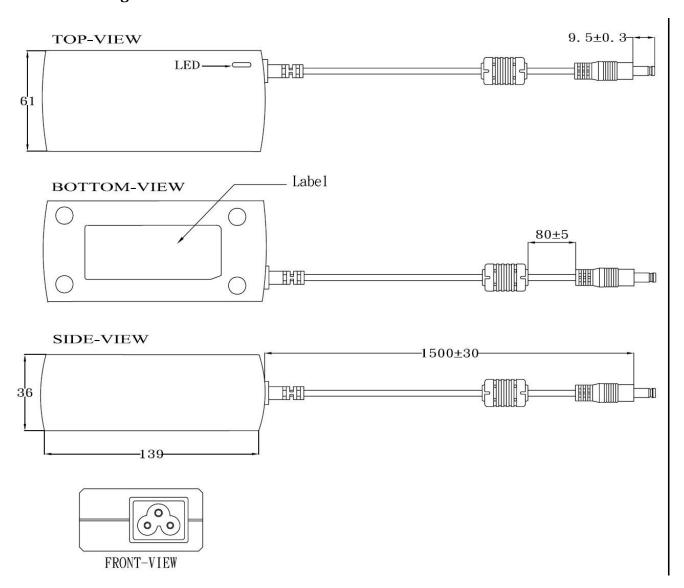
MECHANICAL SPECIFICATIONS				
Case Dimension	L139 x W61 x H36(mm)			
Input Configuration	IEC320-C6 (Optional C14)			
DC Cord	18AWG (Optional 16 & 14 AWG)			
Output Connector	5.5 x 2.5 x 9.5 mm C+			



KTPS90 Series

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

Mechanical Drawing:



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