



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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KTPS36/40/50 Series

36 - 50 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, GEMS
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)
- CEC LEVEL V
- OVER VOLTAGE PROTECTION
- OVER CURRENT PROTECTION
- SHORT CIRCUIT PROTECTION
- ROHS COMPLIANT
- NRCAN VERSION AVAILABLE

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	L115 x W53 x H38(mm)
Input Configuration	IEC320-C14 (Optional C6 & C8)
DC Cord	18AWG (Optional 20 AWG)
Output Connector	5.5 x 2.1 x 9.5 mm C+



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Model Number	Output Voltage	Output Current	Max Output Power
KTPS36-0940DT-3P	9.0V	4.00A	36.0W
KTPS40-1233DT-3P	12.0V	3.30A	39.6W
KTPS45-0950DT-3P	9.0V	5.00A	45.0W
KTPS50-1242DT-3P	12.0V	4.20A	50.0W
KTPS50-13537DT-3P	13.5V	3.71A	50.0W
KTPS50-1533DT-3P	15.0V	3.34A	50.0W
KTPS50-1827DT-3P	18.0V	2.78A	50.0W
KTPS50-1926DT-3P	19.0V	2.64A	49.0W
KTPS50-2025DT-3P	20.0V	2.50A	50.0W
KTPS50-2421DT-3P	24.0V	2.10A	50.0W
KTPS50-4810DT-3P	48.0V	1.05A	48.0W

Mechanical Drawing:

