



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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KTPS50 Series

CEC/DoE Level VI

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	DoE Level VI, Energy Star, ErP Stage 2, NRCan & 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

- **CEC/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	L115 x W53 x H38(mm) L139 x W61 x H36(mm) (KTPS50-0510DT-3P-VI)
Input Configuration	IEC320-C14 (Optional C6)
DC Cord	18AWG (Optional 16 AWG & 20AWG)
Output Connector	See Chart
Weight	278g(Ref) 332g (KTPS50-0510DT-3P-VI)

Model Number	Output Voltage	Output Current	Max Output Power
KTPS50-0510DT-3P-VI	5.0V	10.00A	50W
KTPS36-0940DT-3P-VI	9.0V	4.00A	36W
KTPS45-0950DT-3P-VI	9.0V	5.00A	45W
KTPS40-1233DT-3P-VI	12.0V	3.30A	40W
KTPS50-1242DT-3P-VI	12.0V	4.20A	50W
KTPS50-13537DT-3P-VI	13.5V	3.71A	50W
KTPS50-1533DT-3P-VI	15.0V	3.34A	50W
KTPS50-1827DT-3P-VI	18.0V	2.78A	50W
KTPS50-1926DT-3P-VI	19.0V	2.64A	50W
KTPS50-2421DT-3P-VI	24.0V	2.10A	50W
KTPS50-4811DT-3P-VI	48.0V	1.05A	50W

Part Number Key:

KTPS50- xxx yy DT 3P-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

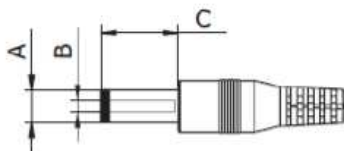
C = IEC 320 C14, D=IEC 320 C6

p = output connector

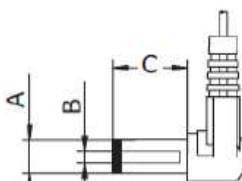
P1/(R)* = 2.1/5.5/9.5mm, P2/(R)* = 2.5/5.5/9.5...

* **R** = Right Angle Connectors

Standard DC Plug



Standard PX

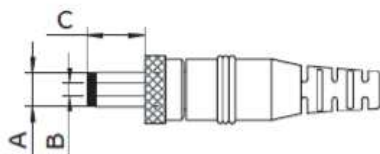


Right Angle PXR

	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



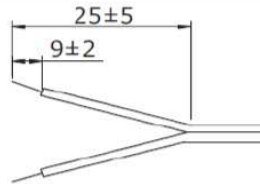
	A	B	C	Unit
P6	5.5	2.1	9.5	mm
P7	5.5	2.5	9.5	mm



KTPS50 Series

CEC/DoE Level VI

Stripped and Tinned



ST = Stripped and Tinned

Mechanical Drawing:

