



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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SERIES: 60 W DESKTOP

DESCRIPTION: SWITCHING POWER SUPPLY

FEATURES

- universal AC input
- regulated output voltage
- short circuit, over load protection
- meets EISA / efficiency level IV regulations
- custom designs available



MODEL	output voltage	output current		output wattage	ripple	efficiency level	cord length (mm)
	nominal (V dc)	min (A)	max (A)	max (W)	max. (mVp-p)		
ETS120500U	12	0	5	60	240	IV	1830 +150/-0
ETS150400U	15	0	4	60	240	IV	1830 +150/-0
ETS190315U	19	0	3.15	60	240	V	1830 +150/-0
ETS240250U	24	0	2.5	60	240	V	1830 +150/-0

*at full load, 100 ~ 240 V ac input, measured at 20MHz bandwidth with a 10 uF electrolytic cap and a 0.1 uF ceramic cap on the output

PART NUMBER KEY

ETS120500U T C - PXXXX - SZ - CXX

Base Number
example of 12 V dc, 5 A

AC Input Plug:
blank = IEC 320 C14 plug
T = IEC 320 C6 plug

Input Cable:
C = included
blank = no cable

DC Plug type:
see output plug options
on page 5

Factory
Designation

Reserved for custom
configurations

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INPUT

parameter	conditions/description	min	nom	max	units
rated input voltage		100		240	V ac
input voltage range		90		264	V ac
rated frequency		50		60	Hz
frequency range		47		63	Hz
rated input current				1.5	A
inrush current	115 V ac, full load, cold start, 25°C 230 V ac, full load, cold start, 25°C			50 100	A A
no load power consumption	100 ~ 240 V ac input			0.5	W

OUTPUT

parameter	conditions/description	min	nom	max	units
line regulation			±1		%
load regulation			±5		%
over voltage protection	output shut down	140%		160%	V dc
short circuit protection	output shut down and auto-restart				

SAFETY & EMI

parameter	conditions/description	min	nom	max	units
HI-POT	input to output at 10 mA for 1 second			1500	V ac
insulation resistance	input to output at 500 V dc	100			MΩ
safety approvals	UL/cUL, CB (IEC60950-1), CE (GS/TUV EN60950-1), RCM				
EMI standard	FCC part 15 class B, CE (EN55022, EN55024)				
leakage current				3.5	mA
RoHS compliant	yes				
LPS power supply	yes				

ENVIRONMENTAL

parameter	conditions/description	min	nom	max	units
operating temperature		0		40	°C
operating humidity		20		80	%
storage temperature		-10		70	°C
storage humidity		10		90	%

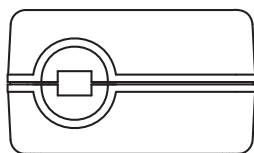
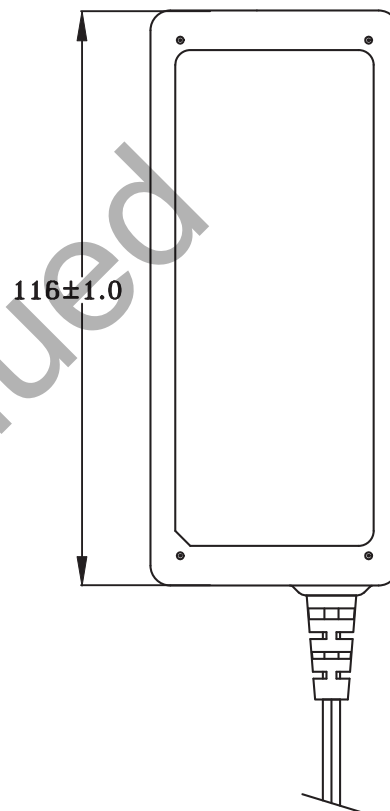
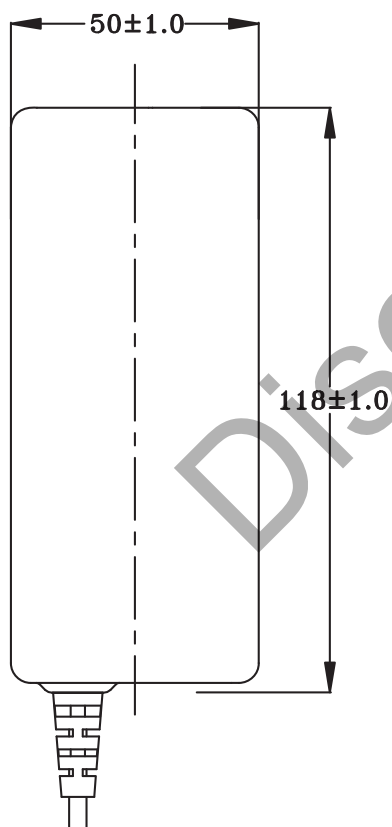
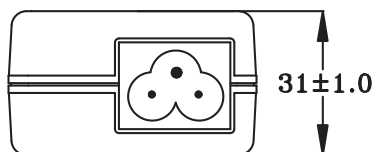


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MECHANICAL DRAWING

case size	116 L x 50 W x 31 H mm
	tolerance: ± 1 mm

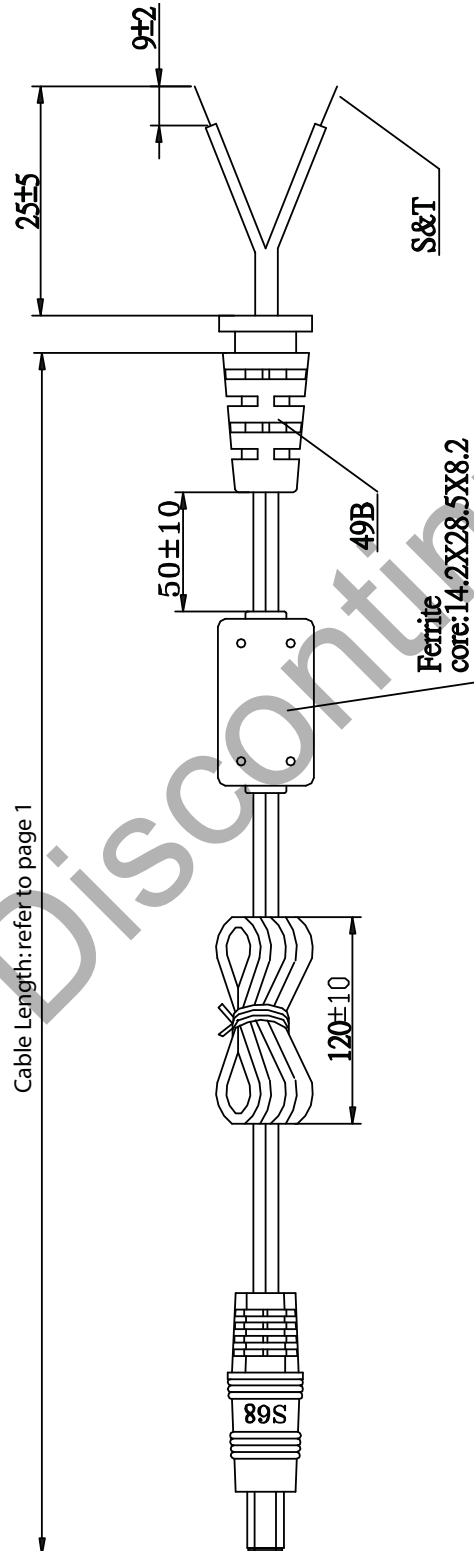




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DC CORD



Cable Length: refer to page 1

Black wire, white stripe: Positive

Cable Gauge	
ETS120500	18 AWG
ETS150400	18 AWG
ETS190315	18 AWG
ETS240250	18 AWG

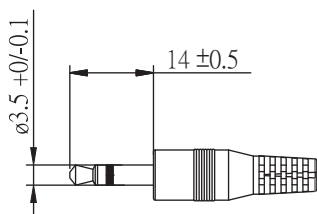


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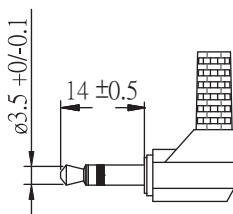
DESCRIPTION: SWITCHING POWER SUPPLY

OUTPUT PLUG OPTIONS

3.5 mm Phono Plug



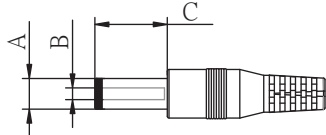
P1



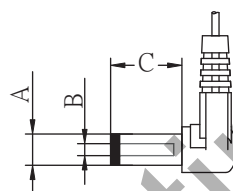
P1R

*Tip positive

Standard DC Plug



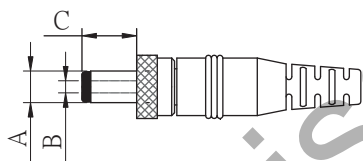
Standard PX



Right Angle PXR

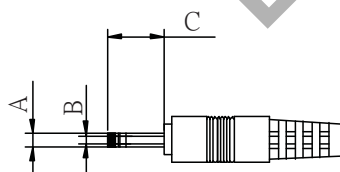
	A	B	C	Unit
P5/P5R	5.5	2.1	12	mm
P6/P6R	5.5	2.5	12	mm
P7/P7R	3.5	1.3	9.5	mm
P8/P8R	3.8	1.35	9.5	mm
P9/P9R	3.8	1.05	9.5	mm

Locking DC Plug

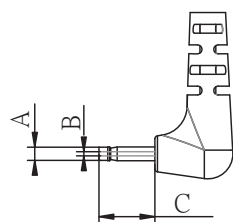


	A	B	C	Unit
P10	5.5	2.1	9.5	mm
P11	5.5	2.5	9.5	mm

EIAJ Plugs

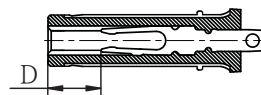


Standard PXX

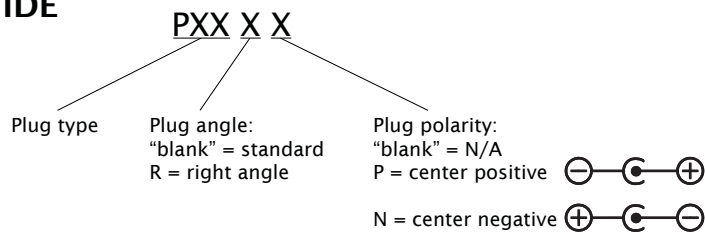


Right Angle PXXR

	EIAJ	A	B	C	D	Unit
P12/P12R	EIAJ-1	2.35	0.7	9.5	NA	mm
P13/P13R	EIAJ-2	4.0	1.7	9.5	5.0	mm
P14/P14R	EIAJ-3	4.75	1.7	9.5	5.0	mm



PART NUMBER GUIDE



*Contact CUI for additional output plug options.

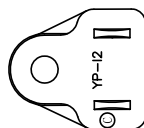
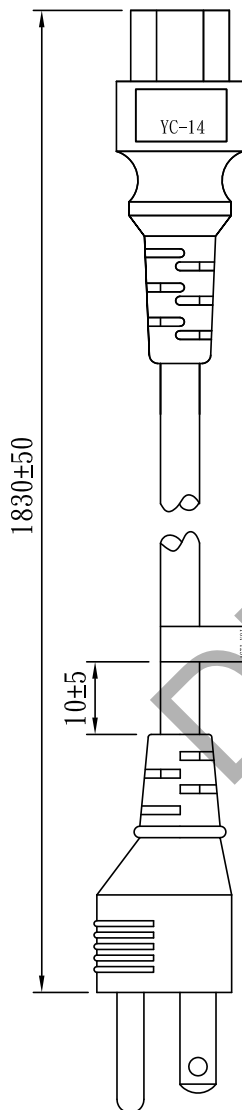
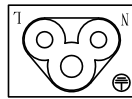


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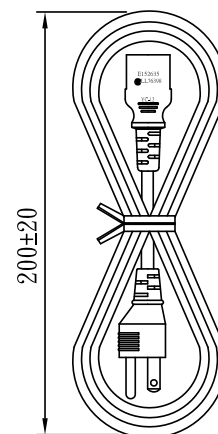
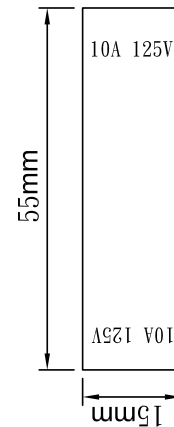
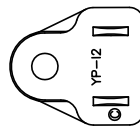
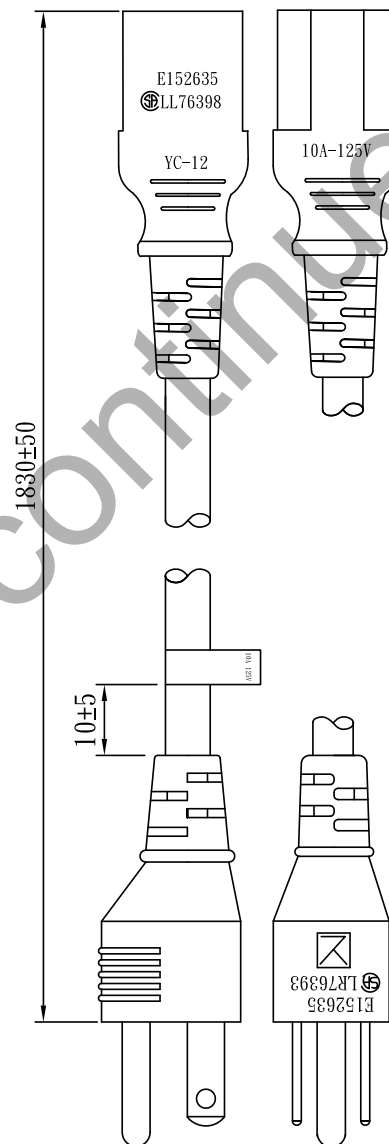
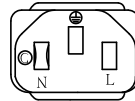
DESCRIPTION: SWITCHING POWER SUPPLY

AC CORD

C6



C14



*Contact CUI for additional ac cord input blade options.

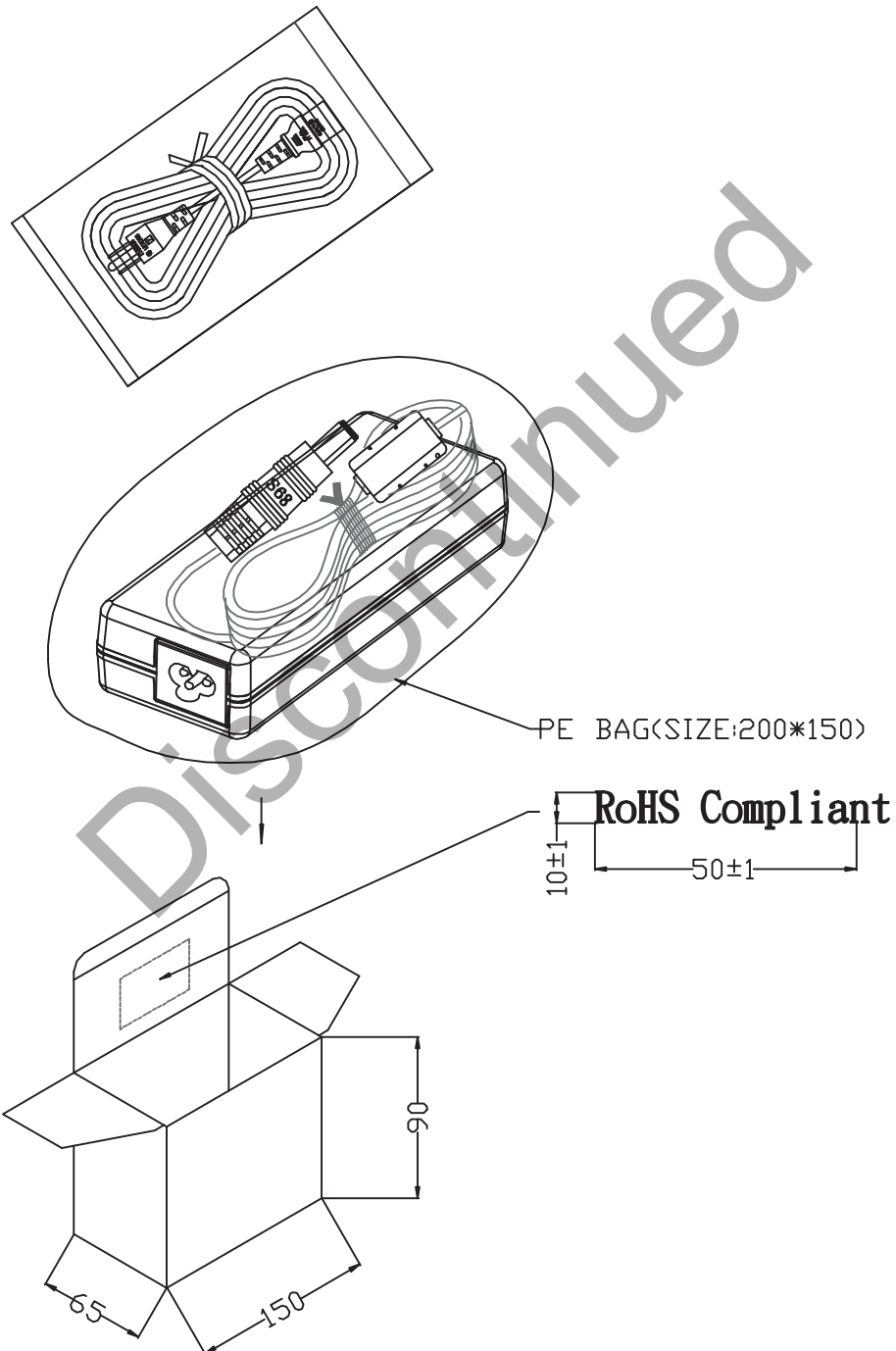


SERIES: 60 W DESKTOP

DESCRIPTION: SWITCHING POWER SUPPLY

INDIVIDUAL PACKAGING

tolerance	± 1 mm
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DESCRIPTION: SWITCHING POWER SUPPLY

PACKAGING

tolerance	+7 / -0 mm
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CARTON SIZE: 480X477X167mm

Q'TY: 30pcs(15x2x1)

"RoHS Compliant"

