SERIES: ETSA 18W-C14 | **DESCRIPTION:** DESK-TOP ADAPTER

FEATURES

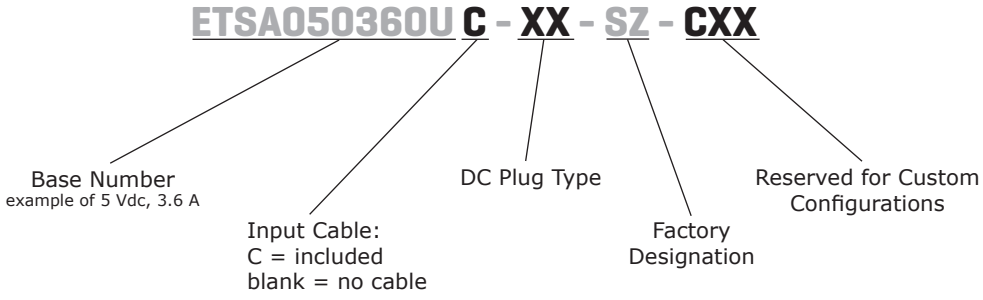
- up to 18 W power
- universal input (90-264 Vac)
- compact size
- single regulated output from 5 to 15V
- over voltage and short circuit protections
- UL/cUL, TUV and PSE safety approvals
- level V efficiency
- custom designs available

V-Infinity

MODEL	output voltage (Vdc)	output current max (A)	output power max (W)	ripple[1] max (mVp-p)	efficiency level
ETSA050360U	5	3.6	18	100	V
ETSA060300U	6	3	18	100	V
ETSA120150U	12	1.5	18	100	V
ETSA150120U	15	1.2	18	100	V

1. at full load, 100 ~ 240 Vac input, 20 MHz bandwidth oscilloscope, each output terminated with a 10 µF aluminum electrolytic and 0.1 µF ceramic capacitors.

PART NUMBER KEY



INPUT

parameter	conditions/description	min	typ	max	units
voltage		90		264	Vac
frequency		47		63	Hz
input current				0.5	A
inrush current	at 115 Vac, cool start at 230 Vac, cool start			40 80	A A
no load power consumption				0.3	W

OUTPUT

parameter	conditions/description	min	typ	max	units
line regulation	5 V output all other outputs		±5 ±1		% %
load regulation			±5		%

PROTECTIONS

parameter	conditions/description
over voltage protection	output voltage clamped by an internal protection zener
short circuit protection	output shut down, auto restart

SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	input to output at 10 mA for 1 minute			1,500	Vac
insulation resistance	input to output at 500 Vdc	100			MΩ
safety approvals	UL/cUL, GS, PSE				
EMI/EMC	FCC Class B, CE				
leakage current	5 V output all other outputs			3.5 0.25	mA mA
RoHS compliant	yes				

ENVIRONMENTAL

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

MECHANICAL

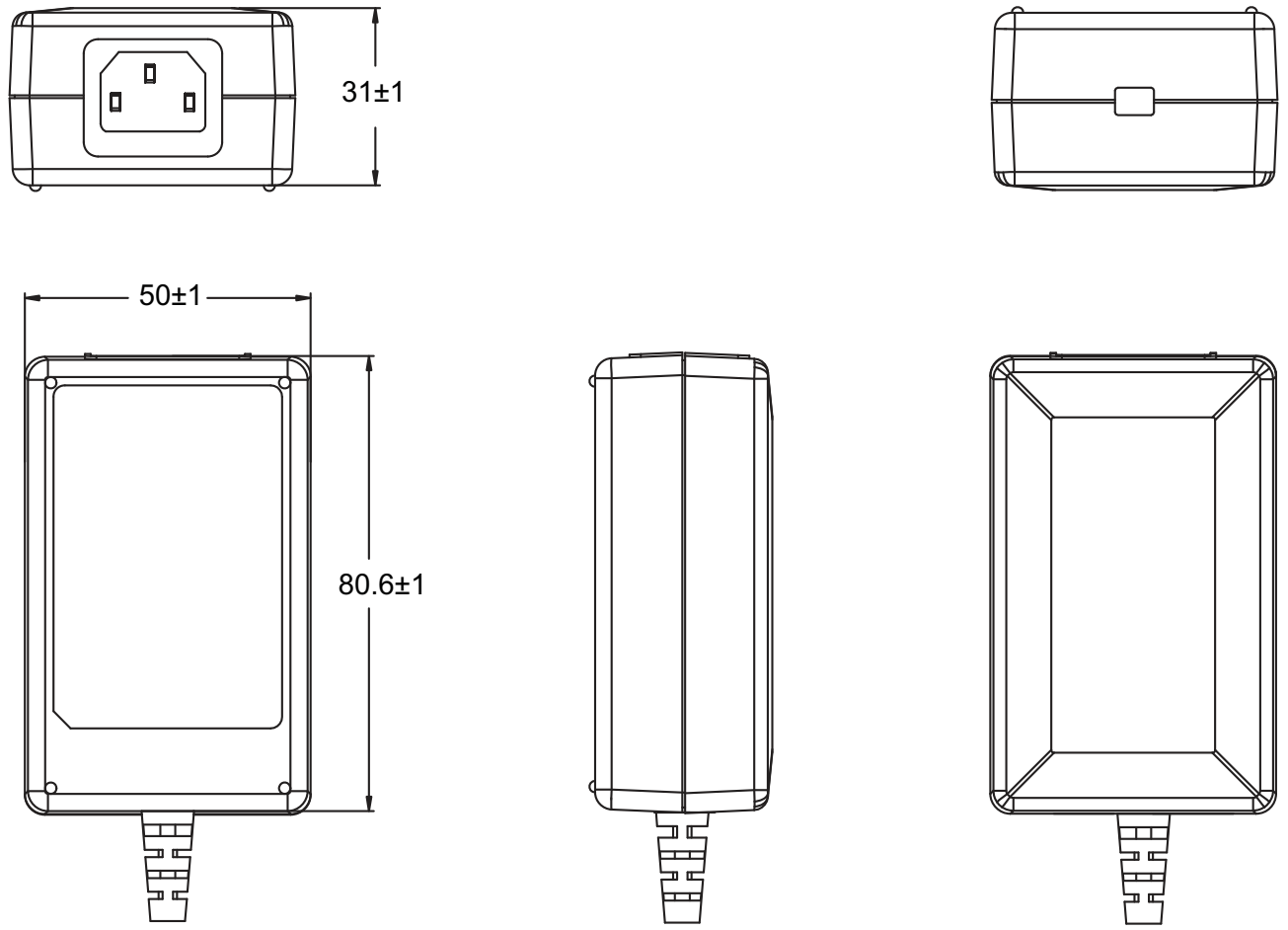
parameter	conditions/description	min	typ	max	units
dimensions	80.6 x 50 x 31 mm				
weight[1]			115		g

1. weight does not include AC Cord

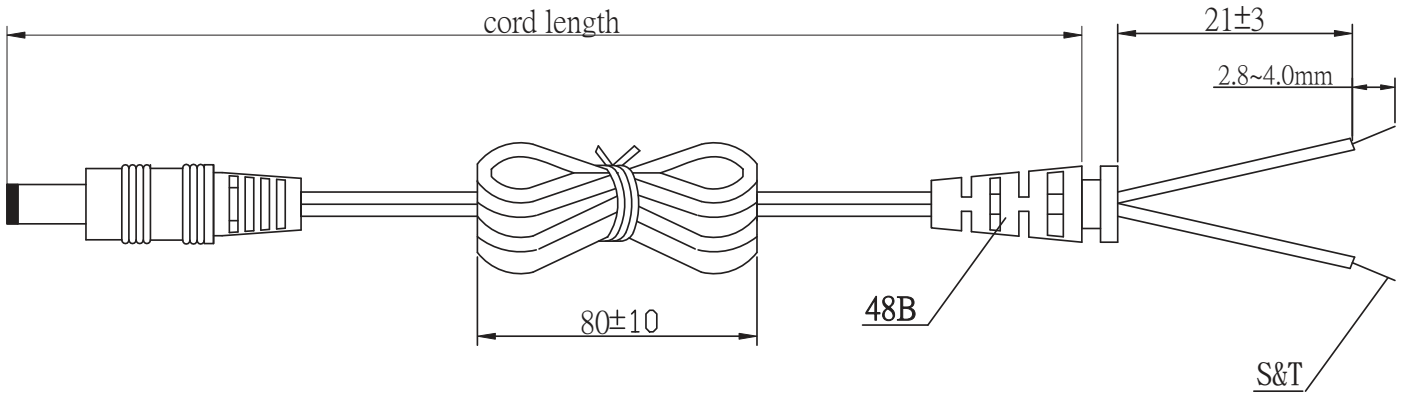
MECHANICAL DRAWING

units: mm

input plug	IEC320 / C14

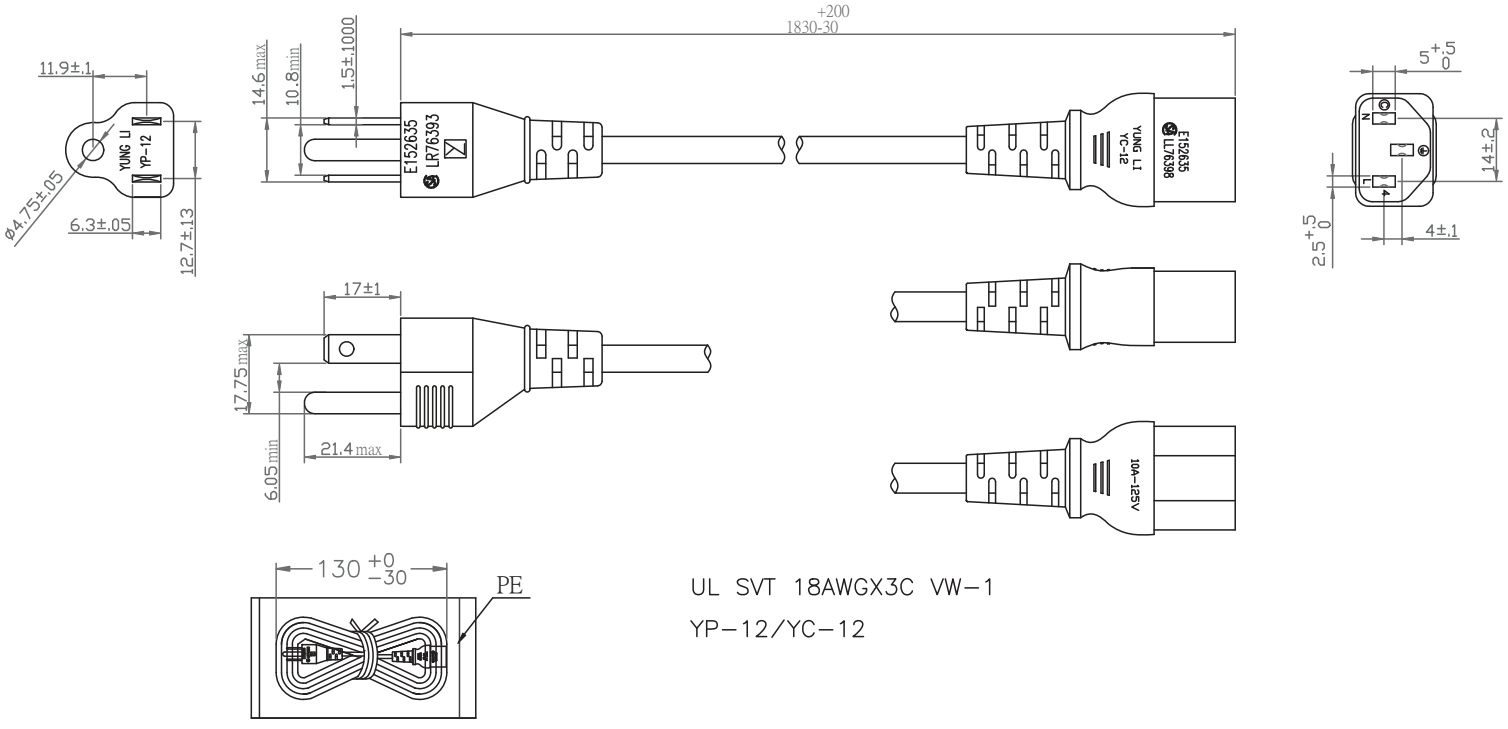


DC CORD



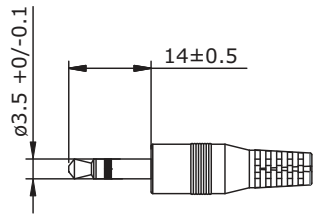
MODEL NO.	CABLE GAUGE	CORD LENGTH
ETSA050360U	18 AWG	1,000 mm ±100
ETSA060300U	18 AWG	1,000 mm ±100
ETSA120150U	20 AWG	1,530 mm ±100
ETSA150120U	20 AWG	1,530 mm ±100

AC CORD

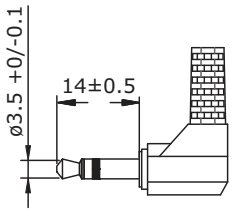


OUTPUT PLUG OPTIONS

3.5 mm Phono Plug



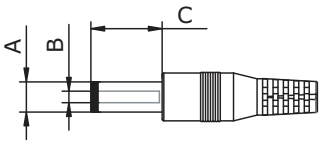
P1



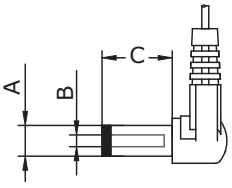
P1R

*Tip positive

Standard DC Plug



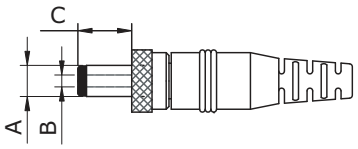
Standard PX



Right Angle PXR

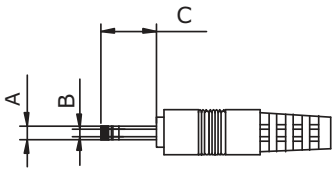
	A	B	C	Unit
P5/P5R	5.5	2.1	9.5	mm
P6/P6R	5.5	2.5	9.5	mm
P7/P7R	3.5	1.3	9.5	mm
P8/P8R	3.8	1.35	9.5	mm
P9/P9R	3.8	1.05	9.5	mm

Locking DC Plug

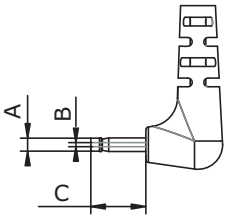


	A	B	C	Unit
P10	5.5	2.1	9.5	mm
P11	5.5	2.5	9.5	mm

EIAJ Plugs

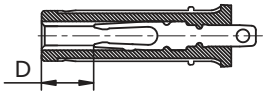


Standard PXX

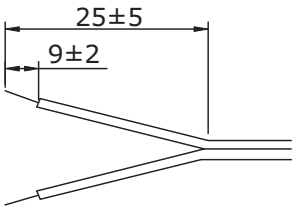


Right Angle PXXR

	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



Stripped and Tinned



DC PLUG TYPE

ST

stripped and tinned

PXX X X

Plug type

Plug angle:
"blank" = standard
R = right angle

Plug polarity:
"blank" = N/A
P = center positive

N = center negative

*Contact CUI for additional output plug options.

REVISION HISTORY

rev.	description	date
1.0	initial release	12/05/2011

The revision history provided is for informational purposes only and is believed to be accurate.

CUI INC®

Headquarters
20050 SW 112th Ave.
Tualatin, OR 97062
800.275.4899

Fax 503.612.2383
cui.com
techsupport@cui.com