SERIES: ETSA 12W **DESCRIPTION: SWITCHING POWER SUPPLY**

FEATURES

- universal AC input
- regulated output voltage
- short circuit protection
- meets EISA / efficiency level V regulations
- custom designs available



RoHS

MODEL

MODEL	output voltage	output current		output wattage	ripple*	efficiency level	cord length
	nominal (V dc)	min (A)	max (A)	max (W)	max. (mVp-p)		(mm)
ETSA050200U	5	0	2	10	100	V	1830 +150/-0
ETSA060200U	6	0	2	12	150	V	1830 ±100
ETSA090133U	9	0	1.33	12	150	V	1830 ±100
ETSA120100U	12	0	1	12	150	V	1830 +150/-0
ETSA150080U	15	0	0.8	12	150	V	1830 ±100
ETSA180066U	18	0	0.66	12	150	V	1830 ±100
ETSA240050U	24	0	0.5	12	150	V	1830 ±100

*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

ETSA120100U D C - XX - SZ - CXX

- Base Number (example of 12 V dc, 1 A)
- AC Input Plug: D = IEC 320 C8 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				0.3	A
inrush current	115 V ac, cold start 230 V ac, cold start			30 60	A A
no load power consumption				0.3	W

OUTPUT

parameter	conditions/description	min	nom	max	units
line regulation			±5		%
load regulation			±5		%
over voltage protection	output voltage clamped by internal protection zener				
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 minute			3,000 4,242	V ac V dc
insulation resistance	input to output at 500 V dc	100			MΩ
safety approvals	UL/cUL (UL60950-1), GS				
EMI standard	FCC class B, CE, VCCI, EN55022, EN55024				
leakage current				0.25	mA
RoHS compliant	yes				

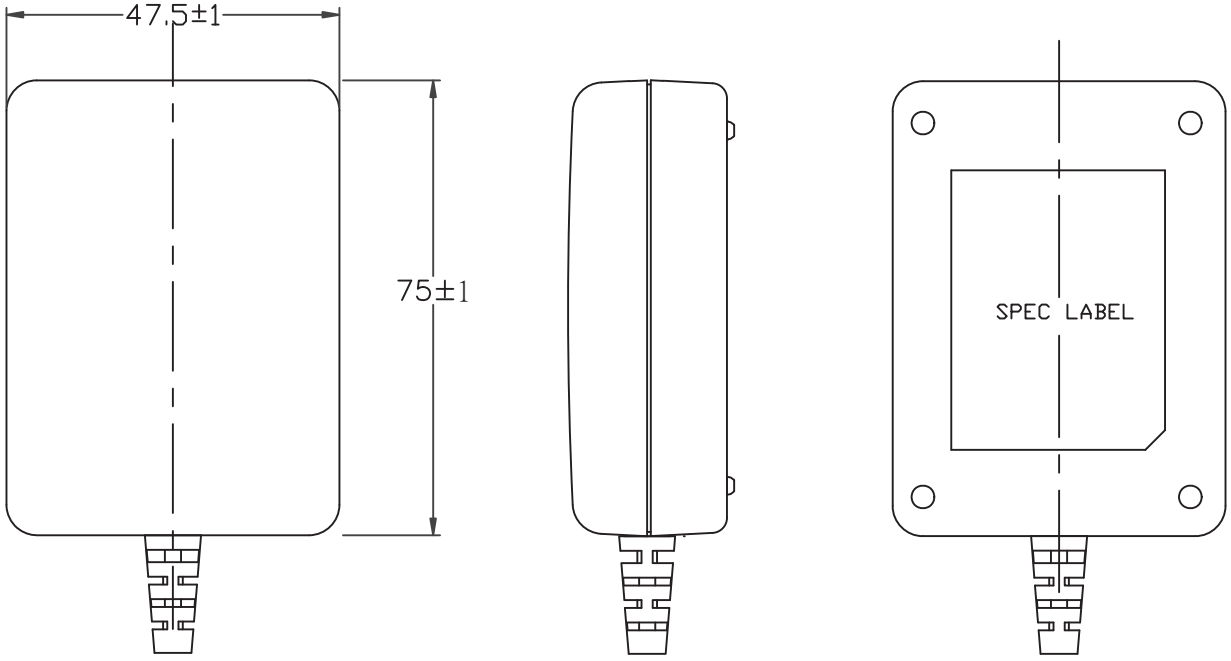
ENVIRONMENTAL

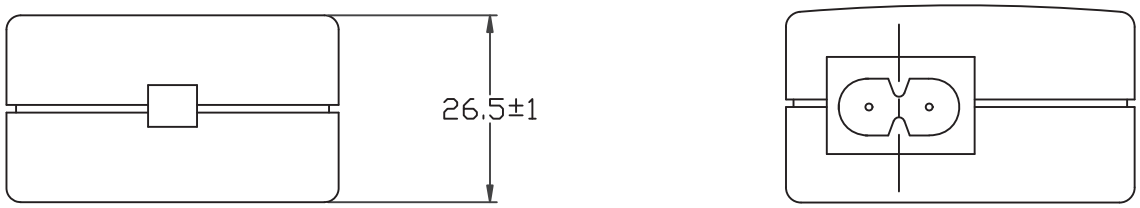
parameter	conditions/description	min	nom	max	units
operating temperature		0		40	°C
operating humidity		20		80	%
storage temperature		-10		70	°C
storage humidity		10		90	%

SERIES: ETSA 12W **DESCRIPTION: SWITCHING POWER SUPPLY**

MECHANICAL DRAWING

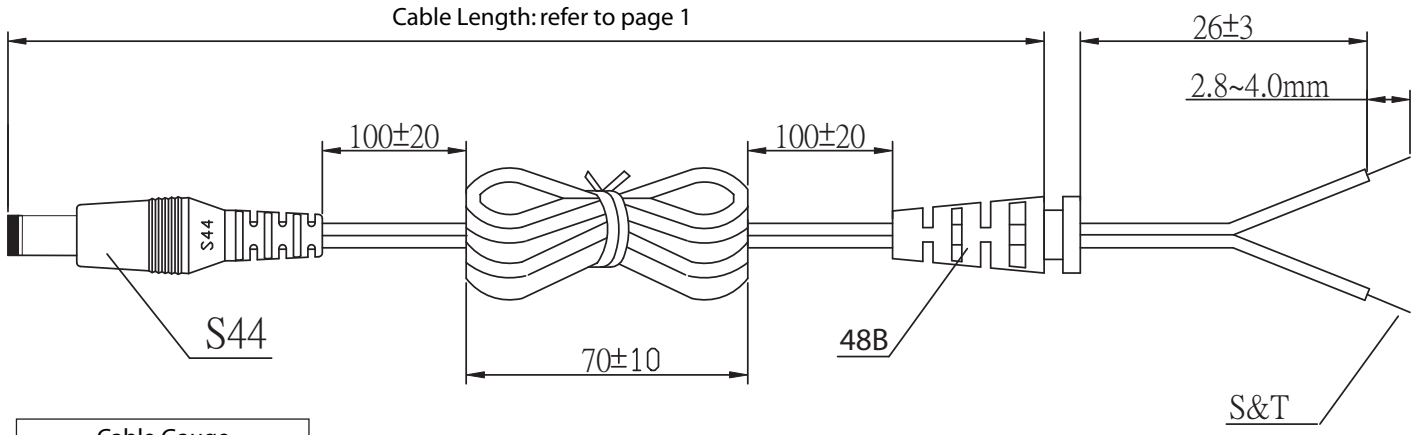
case size	75 L x 47.5 W x 26.5 H mm tolerance: ±1 mm





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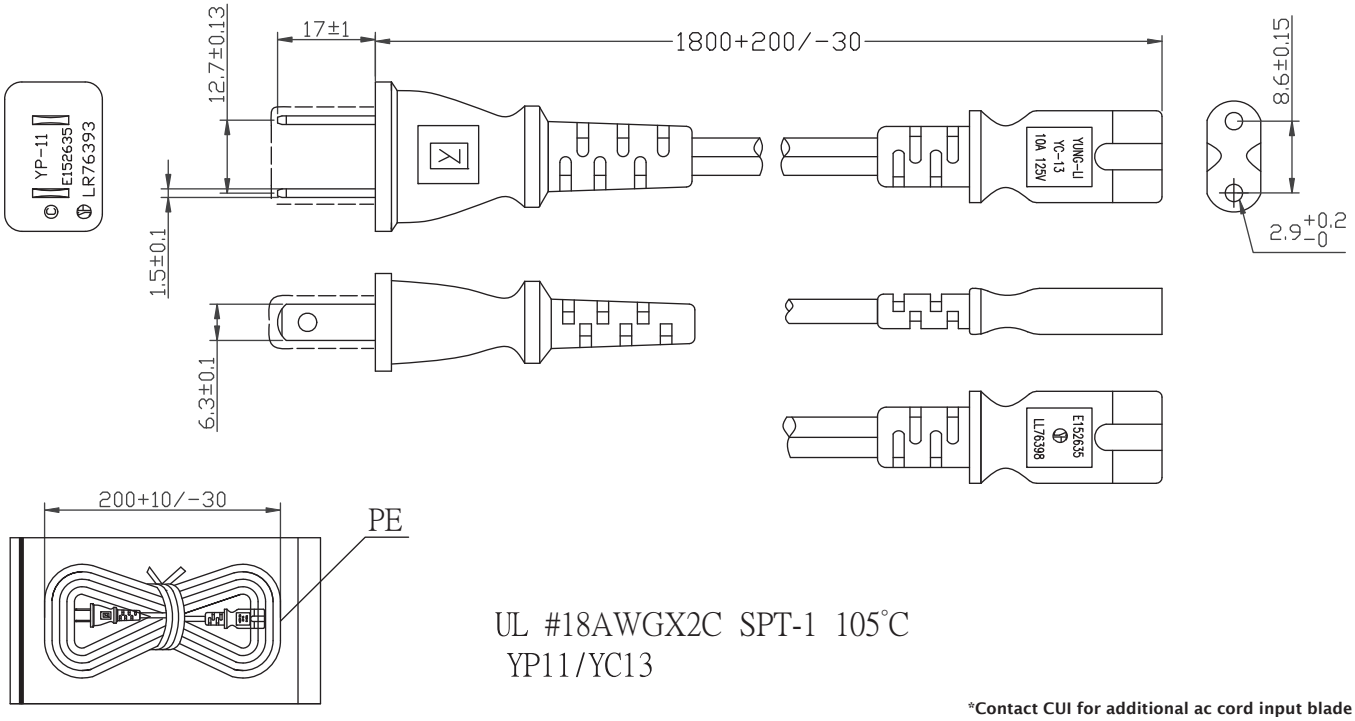
DC CORD



Cable Gauge	
ETSA050200	20 AWG
ETSA060200	18 AWG
ETSA090133	20 AWG
ETSA120100	22 AWG
ETSA150080	22 AWG
ETSA180066	24 AWG
ETSA240050	24 AWG

Black wire, white stripe: Positive

AC CORD



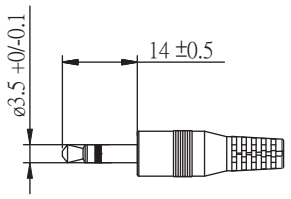
UL #18AWGX2C SPT-1 105˚C
YP11/YC13

*Contact CUI for additional ac cord input blade options.

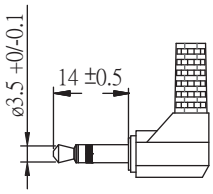
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OUTPUT PLUG OPTIONS

3.5 mm Phono Plug



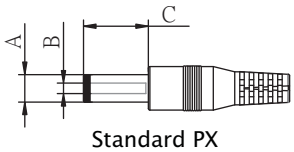
P1



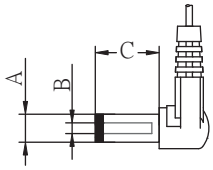
P1R

*Tip positive

Standard DC Plug



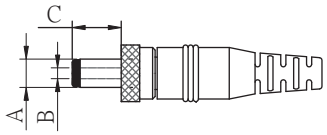
Standard PX



Right Angle PXR

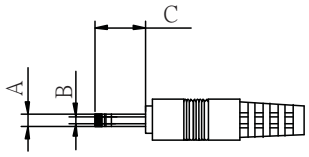
	A	B	C	Unit
P5/P5R	5.5	2.1	9.5	mm
P6/P6R	5.5	2.5	9.5	mm
P7/P7R	3.5	1.3	9.5	mm
P8/P8R	3.8	1.35	9.5	mm
P9/P9R	3.8	1.05	9.5	mm

Locking DC Plug

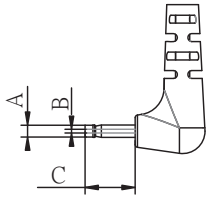


	A	B	C	Unit
P10	5.5	2.1	9.5	mm
P11	5.5	2.5	9.5	mm

EIAJ Plugs

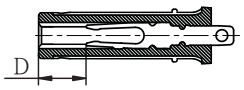


Standard PXX

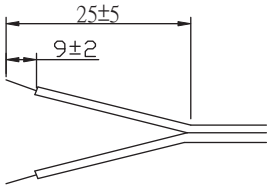


Right Angle PXXR

	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

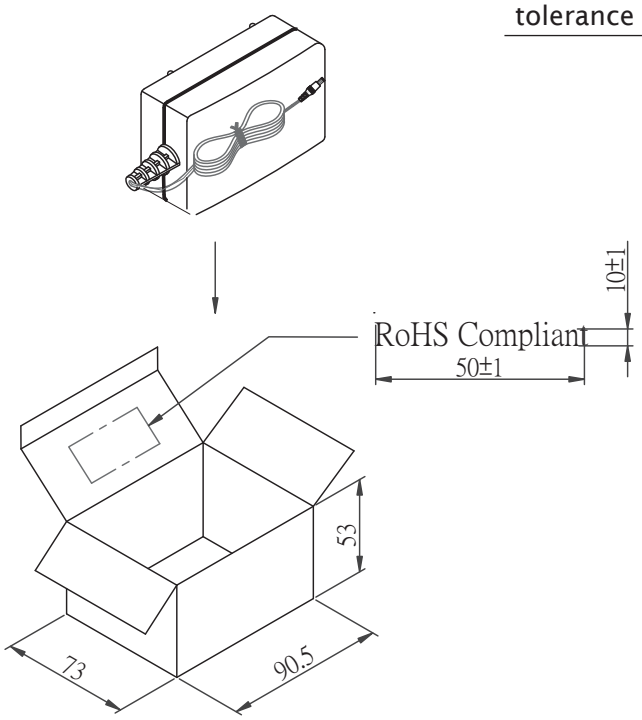
Plug polarity:
"blank" = N/A
P = center positive
N = center negative

***Contact CUI for additional output plug options.**

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INDIVIDUAL PACKAGING

tolerance	± 1 mm



PACKAGING

tolerance	+7 / -0 mm

EXTERNAL CARTON MATERIAL:A=B(6mm)
INTERNAL CARTON MATERIAL:B33(3mm)
CARTON SIZE: 405X395X265mm
Q'TY: 80pcs(20x4x1)

"RoHS Compliant"

