



**PART SPECIFICATION FOR APPROVAL**

<b>CUSTOMER</b>	<b>Aruba Wireless Networks</b>
<b>PART#</b>	<b>ETSA120150U-P13P-SZ-C1</b>
<b>DESCRIPTION</b>	<b>switching power supply</b>
<b>QUANTITY</b>	<b>N/A</b>
<b>DATE</b>	<b>12/16/2011</b>
<b># OF PAGES</b>	<b>6</b>

<b>rev.</b>	<b>description</b>	<b>date</b>
1.0	initial release	03/04/2011
1.01	added barcode label to individual packaging	07/25/2011
1.02	added additional label to master carton, added additional information on stronger gift box spec	07/27/2011
1.03	label repositioned on the individual packaging and packaging images, RoHS sticker removed from individual packaging image	08/09/2011
1.04	added flattened individual packaging image	08/16/2011
1.05	added second bar code line for p/n 3EM17860DDAS, master carton size changed	09/13/2011
1.06	added 3EM text to packaging labels	09/23/2011
1.07	added customer logo to label, updated PSE	12/16/2011

Please sign below.

approved by \_\_\_\_\_  
(please print)

signature \_\_\_\_\_

date \_\_\_\_\_

Specification sign-off verifies that you have reviewed the entire specification and tested this product and that it meets your requirements. This specification reflects the part as it is to be ordered. Orders will not be processed until the specification approval page has been signed and returned to CUI Inc. This specification is confidential and is not to be distributed without prior approval from CUI Inc.



**PART NUMBER: ETSA120150U-P13P-SZ-C1**

**DESCRIPTION: SWITCHING POWER SUPPLY**

MODEL	output voltage	output current		output wattage	ripple*	efficiency level
	nominal (V dc)	min (A)	max (A)	max (W)	max (mVp-p)	
ETSA120150U-P13P-SZ-C1	12	0	1.5	18	100	V

\*at full load, 100 ~ 240 V ac input, 20 MHz bandwidth oscilloscope ,each output terminated with a 10  $\mu$ F aluminum electrolytic and 0.1  $\mu$ F ceramic capacitors.

## 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
input current				0.5	A
inrush current	at 115 V ac, cool start at 230 V ac, cool start			40 80	A A
no load power consumption				0.3	W

## OUTPUT

parameter	conditions/description	min	nom	max	units
line regulation			$\pm 1$		%
load regulation			$\pm 5$		%
over voltage protection	output voltage clamped by internal protection zener				
short circuit protection	output shut down and auto restart				

## SAFETY & COMPLIANCE

parameter	conditions/description	min	nom	max	units
HI-POT	input to output at 10 mA for 1 minute			1,500 2,121	V ac V dc
insulation resistance	input to output at 500 V dc	100			M $\Omega$
safety approvals	UL/cUL, GS, PSE, RCM, EN60950-1 2nd Edition				
EMC/EMI	FCC class B, CE, VCCI class II				
leakage current				0.25	mA
RoHS compliant	yes				

## ENVIRONMENTAL

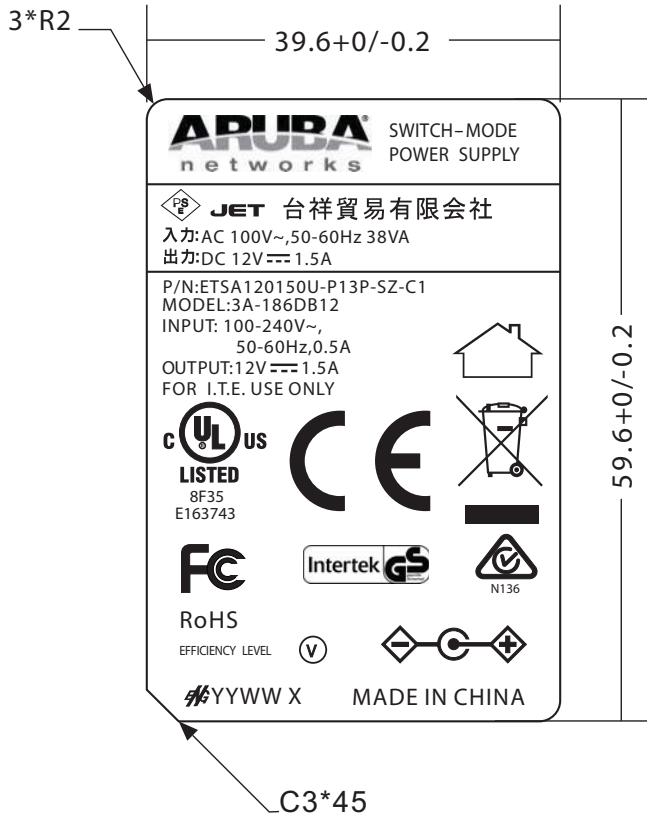
parameter	conditions/description	min	nom	max	units
operating temperature		0		40	$^{\circ}$ C
operating humidity		20		80	%
storage temperature		-10		70	$^{\circ}$ C
storage humidity		10		90	%



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**DESCRIPTION: SWITCHING POWER SUPPLY**

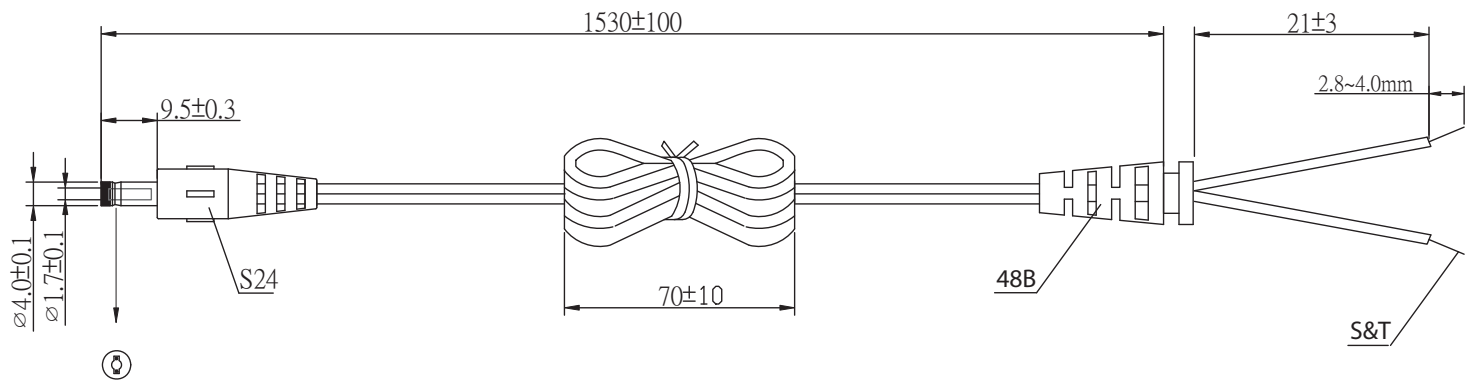
**LABEL**



material: metalized polyester  
color: silver on black base

remarks: YYWW X  
YY=production year  
WW=production week  
X=production location

**DC CORD**



Tuning fork cannellure entire insulation type

#20AWGX2C UL2468 HAVE ON WORD WIRE IN OUTER, NO WORD WIRE IN INNER  
OD: ∅1.9\*3.8

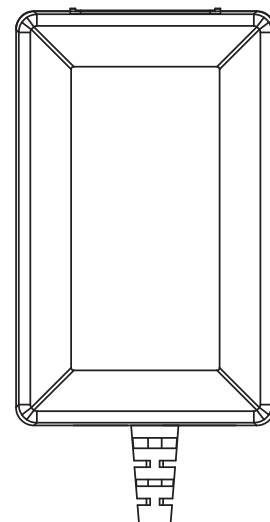
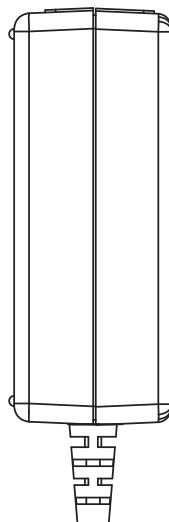
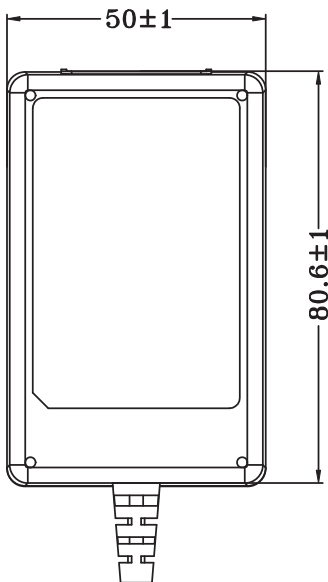
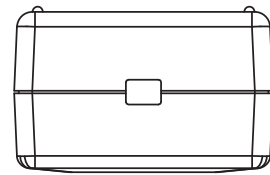
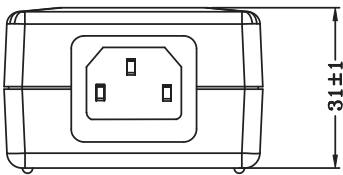


**PART NUMBER: ETSA120150U-P13P-SZ-C1**

**DESCRIPTION: SWITCHING POWER SUPPLY**

**MECHANICAL DRAWING**

input plug	inlet IEC320 / C14 type
case size	80.6 L x 50 W x 31 H mm
	tolerance: $\pm 1$ mm



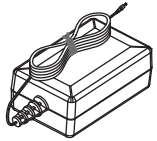


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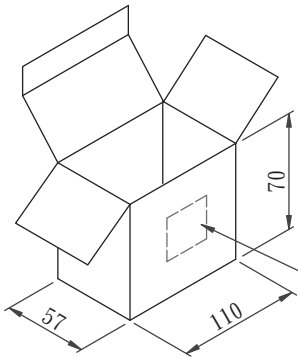
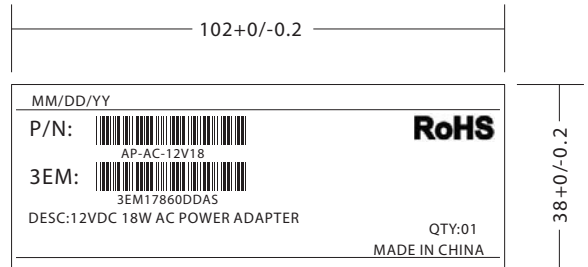
**DESCRIPTION: SWITCHING POWER SUPPLY**

**INDIVIDUAL PACKAGING**

tolerance  $\pm 1$  mm



PRODUCT

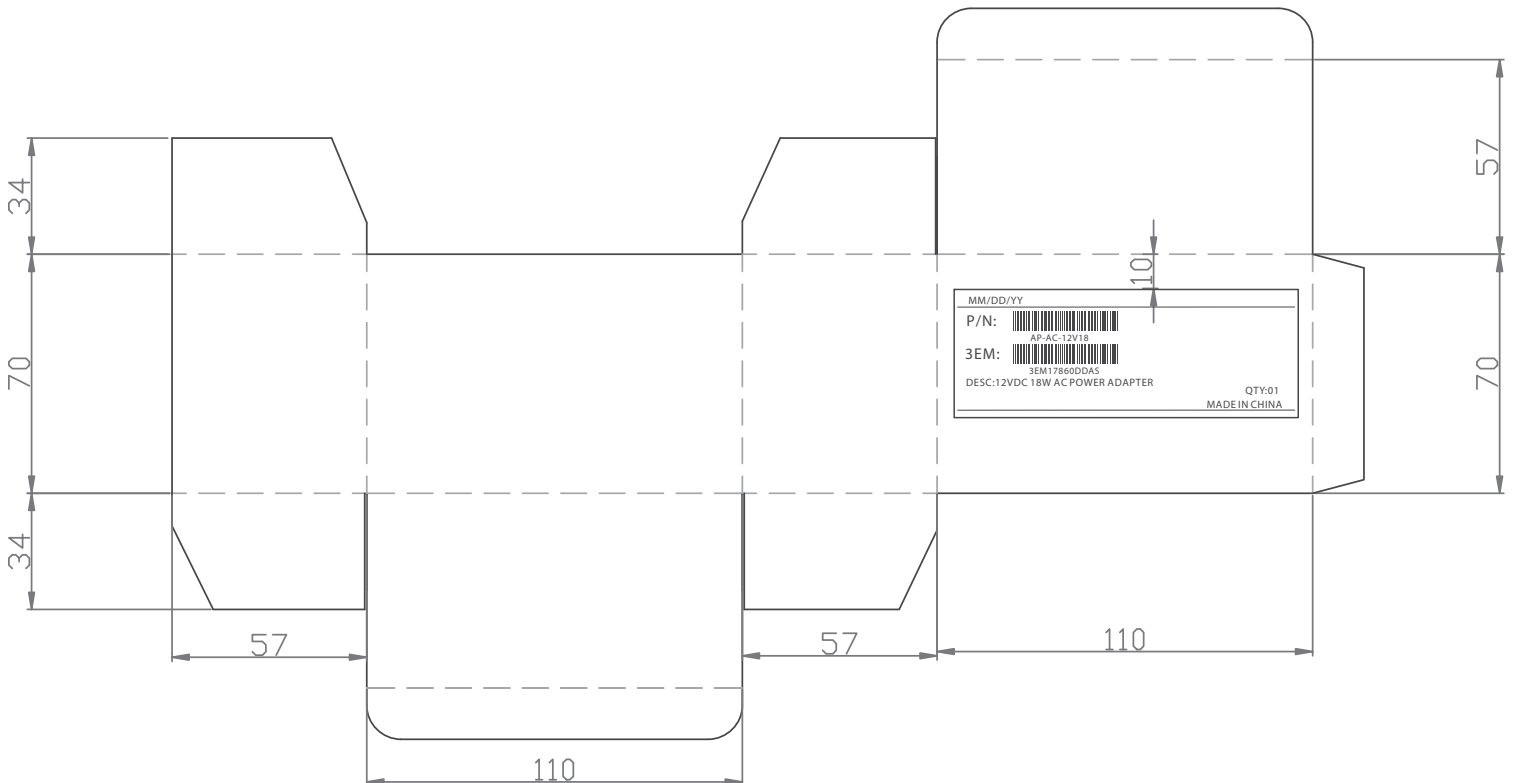


Corrugated box

Label goes here

NOTES:

- 1) AP-AC-12V18, code 39
- 2) 3EM17860DDAS, code 39
- MM/DD/YY MM:Month DD:Date YY:Year(eg:08/01/11)
- Arial
- BOND PAPER
- BLACK WORD ON WHITE BASE





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**PACKAGING**

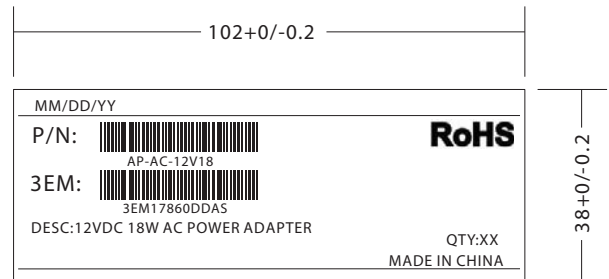
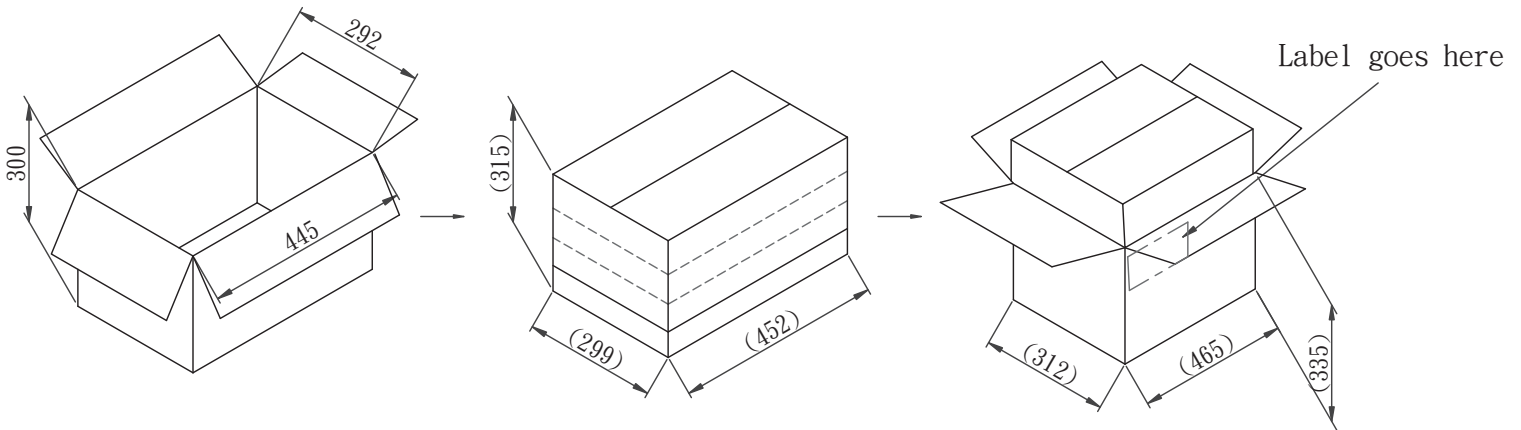
tolerance +7 / -0 mm

EXTERNAL CARTON MATERIAL:A=B(6mm)



INTERNAL CARTON MATERIAL:B33(3mm)

CARTON INTERNAL SIZE:445\*292\*300mm

Q'TY: 80PCS(20\*4\*1)



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