

**PART SPECIFICATION FOR APPROVAL**

<b>CUSTOMER</b>	<b>Aruba Networks</b>
<b>MODEL</b>	<b>ETSA120300U-P13P-SZ-C1</b>
<b>DESCRIPTION</b>	<b>switching power supply</b>
<b>DATE</b>	<b>09/13/2012</b>
<b># OF PAGES</b>	<b>6</b>

<b>rev.</b>	<b>description</b>	<b>date</b>
1.0	initial release	06/21/2012
1.01	added extended temperature data, updated label	07/09/2012
1.02	added labels to packaging	07/25/2012
1.03	updated barcode label	08/13/2012
1.04	updated packaging dimensions	09/05/2012
1.05	updated packaging labels	09/13/2012

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

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.

MODEL	output voltage typ (Vdc)	output current max (A)	output power max (W)	ripple and noise <sup>1</sup> max (mVp-p)	efficiency level
ETSA120300U-P13P-SZ-C1	12	3	36	200	V

Notes: 1. At full load, 100 ~ 240 Vac input, 20 MHz bandwidth oscilloscope, each output terminated with 47  $\mu$ F aluminum electrolytic and 0.1  $\mu$ F ceramic capacitors.

## INPUT

parameter	conditions/description	min	typ	max	units
voltage		90		264	Vac
frequency		47		63	Hz
input current				1.0	A
no load power consumption				0.3	W

## OUTPUT

parameter	conditions/description	min	typ	max	units
line regulation			$\pm 1$		%
load regulation			$\pm 5$		%

## PROTECTIONS

parameter	conditions/description	min	typ	max	units
over voltage protection	protected through primary circuit IC				
short circuit protection	output shut down and auto restart				

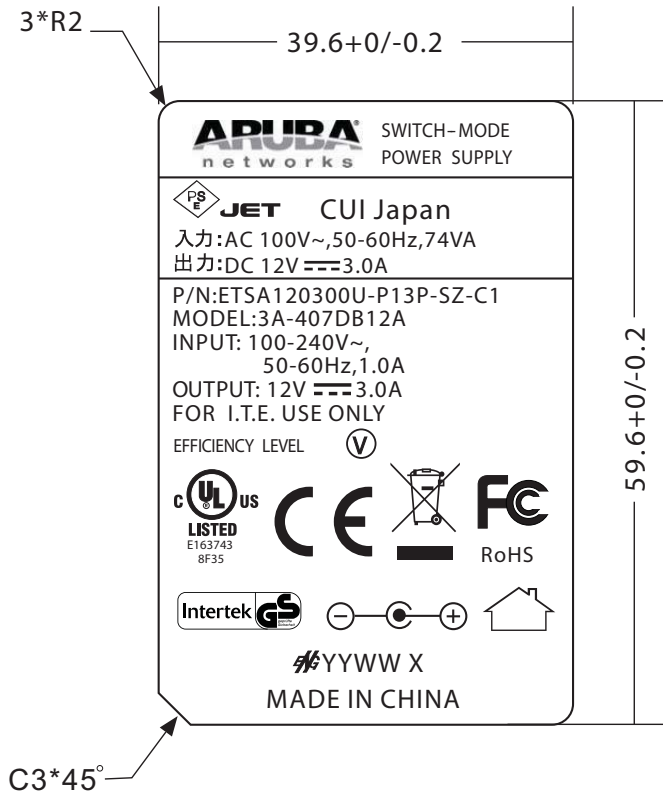
## SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	at 10 mA for 1 minute			1,500	Vac
insulation resistance	input to output at 500 Vdc	100			M $\Omega$
safety approvals	UL 60950-1, CSA C22.2 No 60950-1-07, EN 60950-1, EN 61204-3, PSE				
EMI/EMC	FCC Part 15 Subpart B Class B, EN 55022, EN 55024				
leakage current				3.5	mA
RoHS compliant	yes				

## ENVIRONMENTAL

parameter	conditions/description	min	typ	max	units
operating temperature	unit will operate at 50°C at 1.5A load and is plenum approved (UL94V-0)	0		40	°C
storage temperature		-10		70	°C
operating humidity		20		80	%
storage humidity		10		90	%

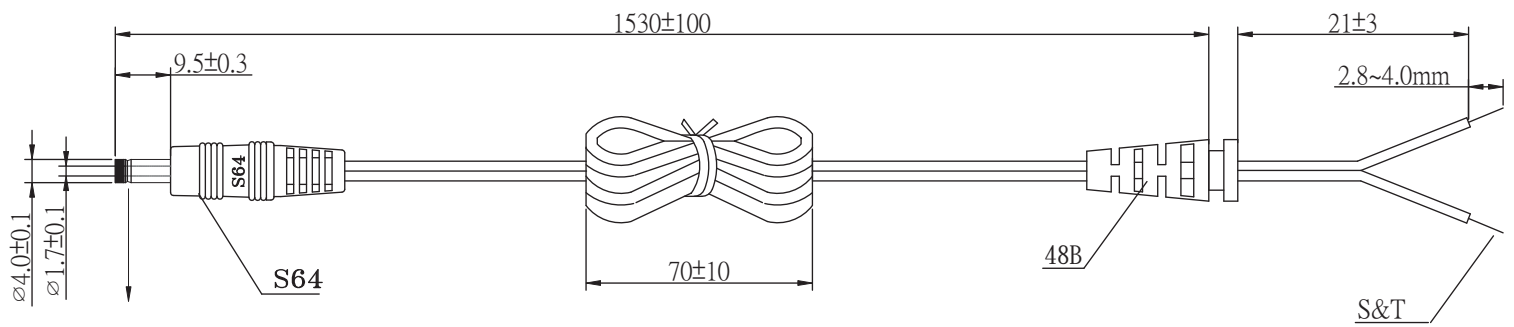
**LABEL**



material: metalized polyester  
color: silver on black base

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

**DC CORD**

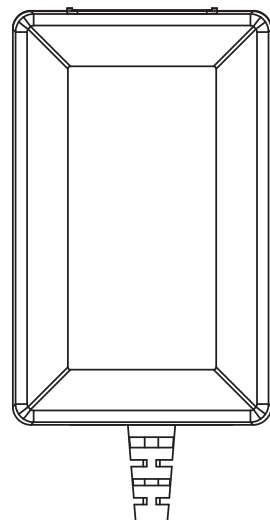
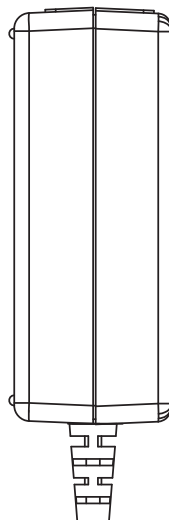
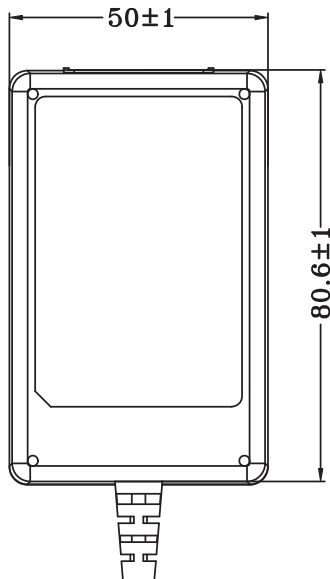
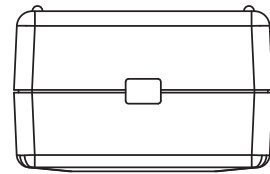
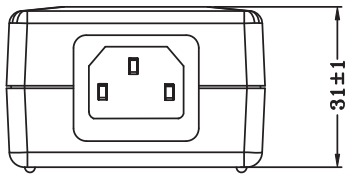


Ⓢ Tuning fork cannellure entire insulation type

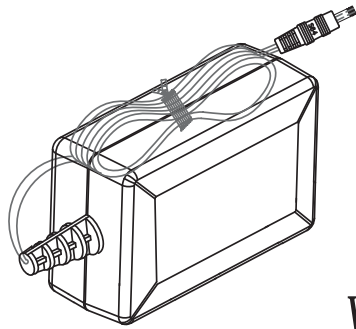
#18AWGX2C UL2468 HAVE ON WORD WIRE IN OUTER, NO WORD WIRE IN INNER  
OD:  $\varnothing 2.2 \times 4.4$

## MECHANICAL DRAWING

input plug	IEC320 / C14
weight	156 g
case size	80.6 L x 50 W x 31 H mm tolerance: $\pm 1$ mm



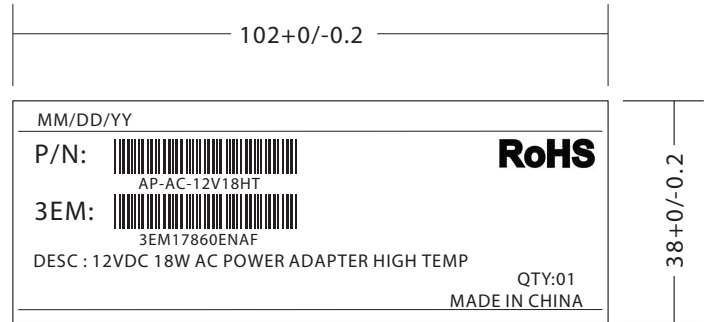
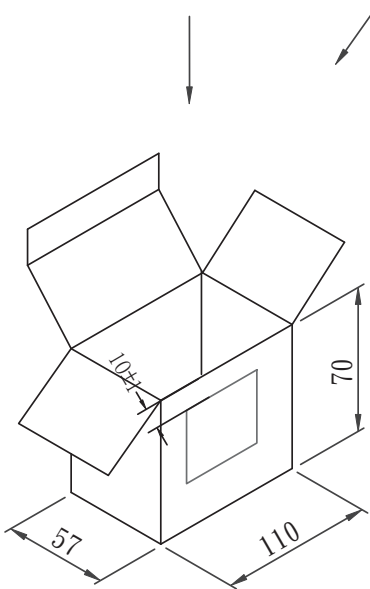
## IND PACKAGING



← Product

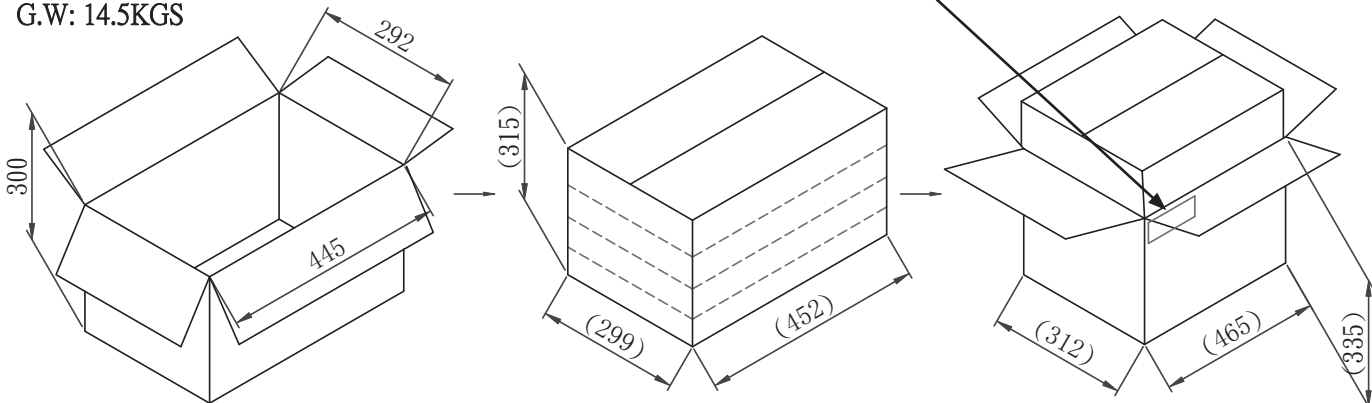
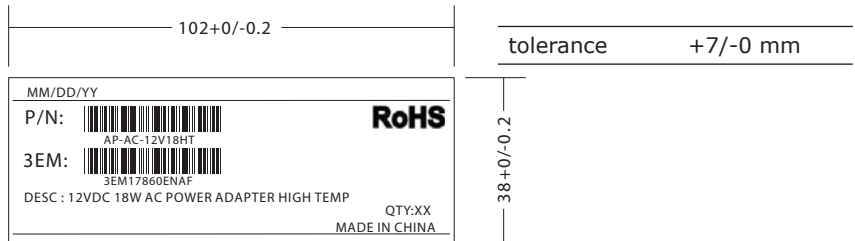
tolerance	±1 mm
-----------	-------

WHITE BOX:06#



## PACKAGING

EXTERNAL CARTON MATERIAL:A=B(6mm)  
 INTERNAL CARTON MATERIAL:B33(3mm)  
 CARTON INTERNAL SIZE:445\*292\*300mm  
 Q'TY: 80PCS(20\*4\*1)  
 N.W: 12.5KGS  
 G.W: 14.0KGS  
 G.W: 14.5KGS



## REVISION HISTORY

rev.	description	date
1.0	initial release	06/21/2012
1.01	added extended temperature data, updated label	07/09/2012
1.02	added labels to packaging	07/25/2012
1.03	updated barcode label	08/13/2012
1.04	updated packaging dimensions	09/05/2012
1.05	updated packaging labels	09/13/2012

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



**CUI INC**<sup>®</sup>

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

Fax 503.612.2383  
**cui.com**  
techsupport@cui.com

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.