



YONGCHENG

SPECIFICATION FOR APPROVAL

DATE: DEC 18, 2008

SAMPLE Q'TY 11 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: APL-023A

YONGCHENG P/N : YH-12D03AX

DESCRIPTION : 10/100 BASE-TX TRANSFORMER

APPROVED SIGNATURES	
YONGCHENG APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: LiaoZongCheng	APPROVED BY:
DATE: 2008/12/18	DATE:
APPROVED No. :	APPROVED No. :

YONGCHENG(ZUNYI) ENTERPRISE INC.

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10/100 BASE-TX TRANSFORMER

P/N:YH-12D03AX DATA SHEET(REFERENCE ACUWA APL-023A)



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ELECTRONIC CORP.

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Feature

- ◆ Designed to meet IEEE802.3u requirement
- ◆ Lead-free process,compliant ROHS.
- ◆ Designed for reflow soldering at temperatures up to 245°C
- ◆ Operating temperature range : 0°C to +70°C.
- ◆ Storage temperature range: 0°C to +85°C.

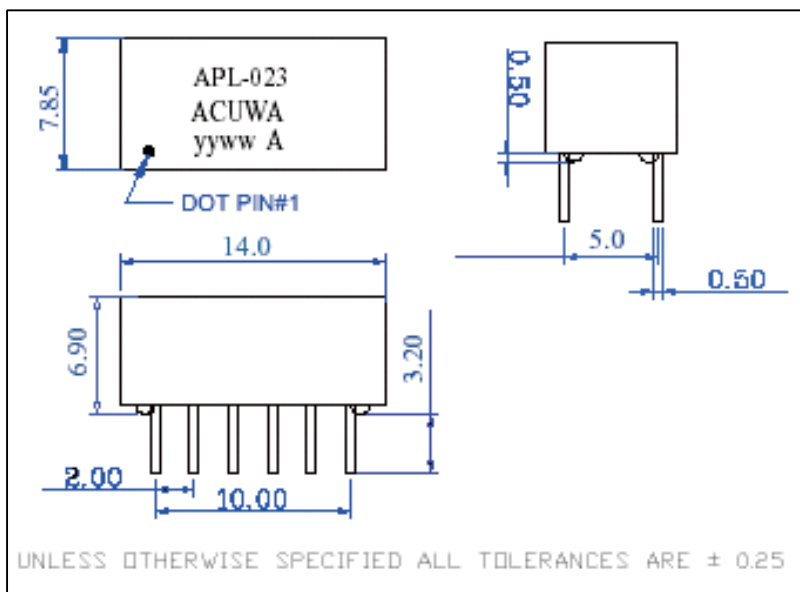
Electrical Specifications @ 25°C

Part Number	Turns Ratio TX/RX (+/-5%)	OCL(uH Min) 100KHz/0.2V with 8Ma DC BIAS	PRI DCR (Ω MAX)	L.L (uH MAX)	CW/W (pF TYP)	HI-POT (Vrms)	Cross talk (dB Min)
							0.1-100MHz
YH-12D03AX	1CT:1CT	350	0.9	0.5	50	1500	-35

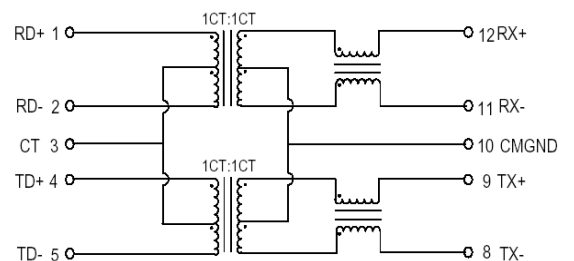
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Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				DCMRR (dB Min)
	1-100MHz	0.5-30MHz	40MHz	60MHz	80MHz	0.1-100MHz
YH-12D03AX	-1.1	-18	-15	-13	-11	-30

Mechanical



Schematic



Approved by.:LiaoZongCheng Checked by. :

Prepared by :Liqing

A1(08/12)

SAMPLES TEST REPORT



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PART NO.		APL-023A		DATE					2008/12/18				
DESCRIPTION		10/100BASE-TX TRANSFORMER											
ITEM	TEST EQUIPMENTS	TEST CONDITION @ 25°C	SAMPLES NO. TEST PIN	1	2	3	4	5	SPECIFICATION				
									Min	Typ	Max		
OCL (uH MIN)	3250	100KHz/0.2V with 8mA DC BIAS	1-2	388	413	451	480	446	350				
			4-5	441	478	470	490	496					
L.L (uH MAX)	3250	100KHz/0.2V with 8mA DC BIAS	1-2(Short 12-11)	0.33	0.32	0.32	0.29	0.31	0.5				
			4-5(Short 9-8)	0.31	0.31	0.32	0.31	0.33					
Cw/w (PF TYP)	3250	100KHz/0.2V	1-2 to12-11	46	48	46	44	43	50				
			4-5 to 9-8	46	47	46	45	43					
DCR (OHM MAX)	3250		1-2	0.68	0.71	0.66	0.68	0.69	0.9				
			4-5	0.65	0.68	0.67	0.66	0.65					
HI-POT(Vrms)	GPI-5005T	1500Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	1S				
Cross Talk (dB MIN)	8711/8712	0.1-100 MHz	TX OR RX	PASS	PASS	PASS	PASS	PASS	-35				
TURN RATIO (+/-5%)	CA8120A	1MHz/sine wave	1-2:12-11	PASS	PASS	PASS	PASS	PASS	1CT:1CT				
			4-5:9-8	PASS	PASS	PASS	PASS	PASS					
Insertion Loss (dB MAX)	8711/8712	1-100 MHz	TX	PASS	PASS	PASS	PASS	PASS	-1.1				
			RX	PASS	PASS	PASS	PASS	PASS					
Return Loss(dB MIN)	8711/8712	0.5-30 MHz	TX	PASS	PASS	PASS	PASS	PASS	-18				
			RX	PASS	PASS	PASS	PASS	PASS					
		40 MHz	TX	PASS	PASS	PASS	PASS	PASS	-15				
			RX	PASS	PASS	PASS	PASS	PASS					
		60 MHz	TX	PASS	PASS	PASS	PASS	PASS	-13				
			RX	PASS	PASS	PASS	PASS	PASS					
		80 MHz	TX	PASS	PASS	PASS	PASS	PASS	-11				
			RX	PASS	PASS	PASS	PASS	PASS					
DCMRR (dB MIN)	8711/8712	0.1-100 MHz	TX	PASS	PASS	PASS	PASS	PASS	-30				
			RX	PASS	PASS	PASS	PASS	PASS					

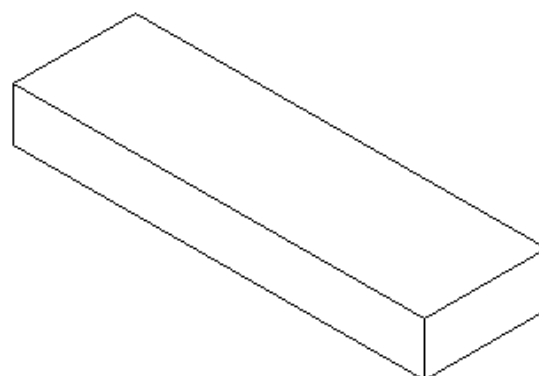
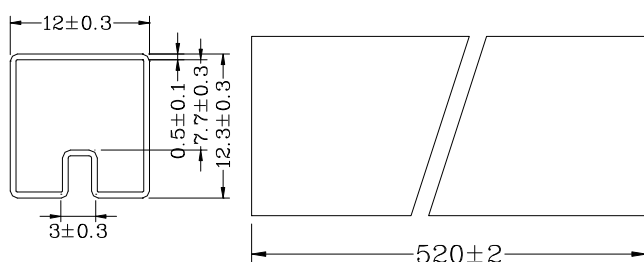


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SAMPLES PACK SPECIFICATIONS

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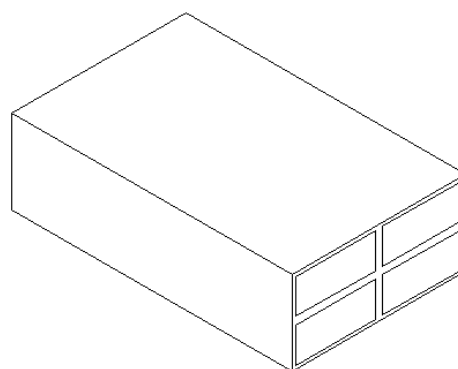
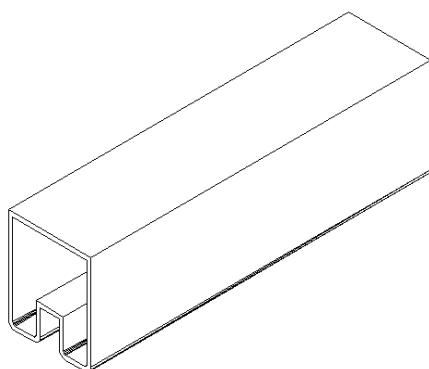
CUSTOMER	ACUWA	CUST P/N.	APL-023A
ITEM	TRANSFORMER	DESCRIPTION	YH-12D03AX
PART NO.	818-01420	DATE	2009/02/25



Units:mm Tolerances: xx.xx0±0.25
x.x0±0.25

TUBE MECHANICAL DIMENSION

INNER CARTON :540*160*70



TUBE =35 PCS

INNER CARTON=60 TUBE=60*35=2100PCS

EXPORT CARTON=4INNER CARON=4*2100=8400PCS

EXPORT CAPTON : 560*340*160

REMARK:	APPROVAL	CHECKED	DRAWN BY
	LiaoZongCheng		Liqing