



YONGCHENG

SPECIFICATION FOR APPROVAL

DATE: APR 18, 2009

SAMPLE Q'TY 8 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: APL-037

YONGCHENG P/N : YH-26D01A

DESCRIPTION : 10/100 BASE-TX TRANSFORMER

APPROVED SIGNATURES	
YONGCHENG APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: LiaoZongCheng	APPROVED BY:
DATE: 2009/4/18	DATE:
APPROVED No. :	APPROVED No. :

YONGCHENG(ZUNYI) ENTERPRISE INC.

LanGongShan,ZunYi City,GuiZhou,China

Tel: 0852-3162322 13087896733 Fax: 0852-3162322 E-mail<lzc0818@163.com

10/100 BASE-TX TRANSFORMER

P/N:YH-26D01A DATA SHEET(REFERENCE ACUWA APL-037)



YONGCHENG
ELECTRONIC CORP.

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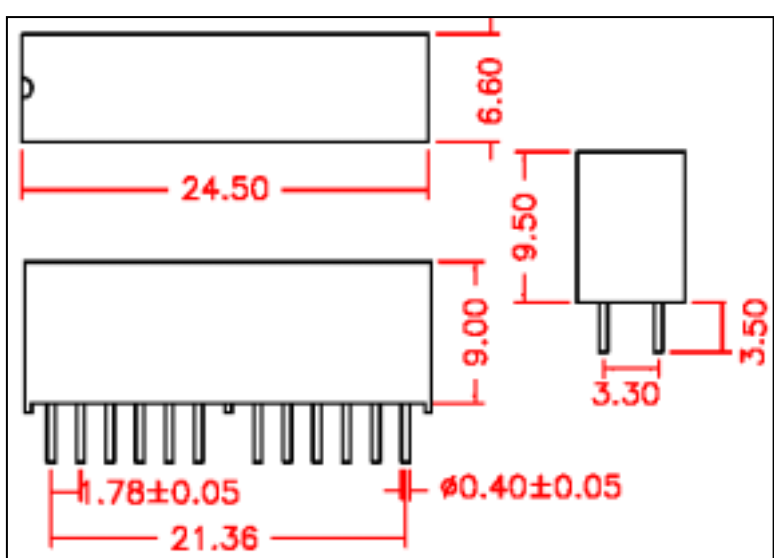
Feature

- ◆ Designed to meet IEEE802.3u requirement
- ◆ Pb free Soldering Heat Withstanding
- ◆ Insulation resistance:10000M OHM @50VDC.
- ◆ Operating temperature range : 0 to +70 .
- ◆ Storage temperature range: 0 to +85 .

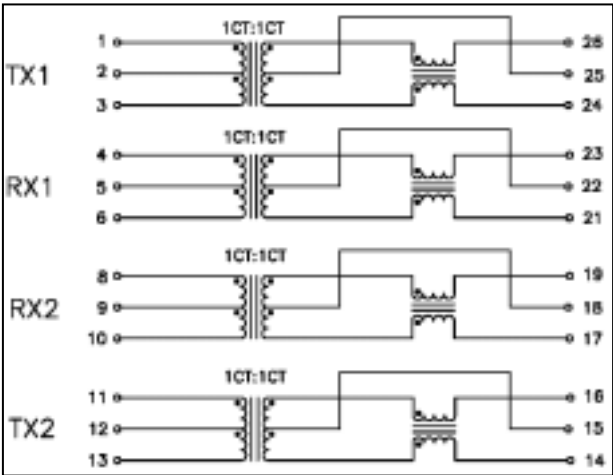
Electrical Specifications @ 25°C							
Part Number	Turns Ratio TX/RX (+/-3%)	OCL(uH Min) 100KHz/0.1V with 8Ma DC BIAS	L.L (uH MAX)	CW/W (pF TYP)	HI-POT (Vrms)	Cross talk (dB Min)	
						1-60MHz	60-100MHz
YH-26D01A□	1CT:1CT□	350□	0.4□	20□	1500□	-40□	-38

Continue						
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ 100Ω+/-15%			CMRR (dB MIN)	
	1-100MHz	1-30MHz	30-60MHz	60-80MHz	1-60MHz	60-100MHz
YH-26D01A□	-1.0□	-16	-16+20LOG(F/30,HZ)	-10	-45□	-40

Mechanical



Schematic



Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]
0.xx±0.05[0.002]

Approved by.:Liaoqiuhua

Checked by. :

Prepared by :Liqing

A0(08/10)

SAMPLES TEST REPORT



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PART NO.		APL-037		DATE			2009/04/18					
DESCRIPTION		10/100BASE-TX TRANSFORMER										
ITEM	TEST EQUIPMENTS	TEST CONDITION @ 25	SAMPLES NO. TEST PIN	1	2	3	4	5	SPECIFICATION			
									Min	Typ	Max	
OCL (uH MIN)	3250	100KHz/0.1V with 8mA DC BIAS	1-3=26-24	561	487	481	452	475	350			
			4-6=23-21	513	487	446	513	536				
			8-10=19-17	389	451	463	435	438				
			11-13=16-14	525	437	450	428	508				
Cross Talk (dB MIN)	8711/8712	1-60 MHz	TX OR RX	PASS	PASS	PASS	PASS	PASS	-40			
		60-100 MHz	TX OR RX	PASS	PASS	PASS	PASS	PASS	-38			
CW/W (PF MAX)	3250	100KHz/0.1V	2TO 25	18	16	19	15	20	20			
			5TO 22	17	15	18	16	19				
			9TO 18	20	18	19	16	15				
			12 TO 15	16	19	15	17	19				
L.L (uH MAX)	3250		1-3 (short 26-24)	0.30	0.35	0.29	0.28	0.31	0.4			
			4-6 (short23-21)	0.35	0.28	0.27	0.29	0.33				
			8-10 (short 19-17)	0.27	0.33	0.29	0.30	0.35				
			11-13 (short 16-14)	0.33	0.35	0.31	0.28	0.29				
HI-POT(Vrms)	GPI-5005T	1500Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	1S			
TURN RATIO	CA8120A	1MHz/sine wave	1-3 : 26-24	PASS	PASS	PASS	PASS	PASS	1CT:1CT			
			4-6 : 23-21	PASS	PASS	PASS	PASS	PASS				
			8-10 : 19-17	PASS	PASS	PASS	PASS	PASS				
			11-13 : 16-14	PASS	PASS	PASS	PASS	PASS				

SAMPLES TEST REPORT

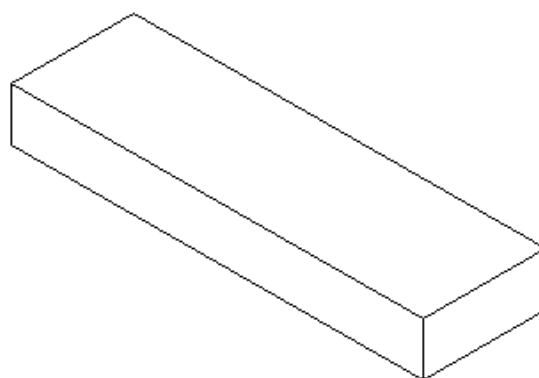
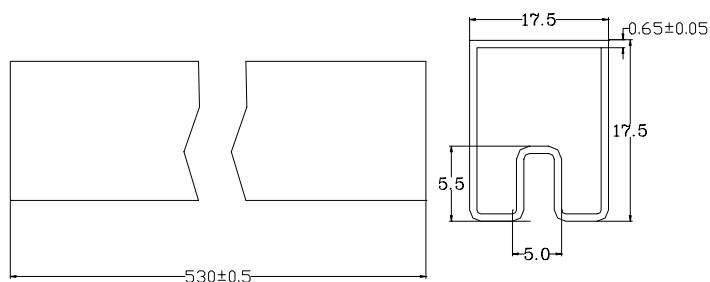


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PART NO.		APL-037		DATE					2009/04/18			
DESCRIPTION		10/100BASE-TX TRANSFORMER										
ITEM	TEST EQUIPMENTS	TEST CONDITION @ 25	SAMPLES NO. TEST PIN	1	2	3	4	5	SPECIFICATION			
									Min	Typ	Max	
Insertion Loss (dB MAX)	8711/8712	1-100 MHz	1-3TO26-24	PASS	PASS	PASS	PASS	PASS	-1.0			
			4-6TO23-21	PASS	PASS	PASS	PASS	PASS				
			8-10TO19-17	PASS	PASS	PASS	PASS	PASS				
			11-13TO16-14	PASS	PASS	PASS	PASS	PASS				
Return Loss(dB MIN)	8711/8712	1--30 MHz	1-3TO26-24	PASS	PASS	PASS	PASS	PASS	-16			
			4-6TO23-21	PASS	PASS	PASS	PASS	PASS				
			8-10TO19-17	PASS	PASS	PASS	PASS	PASS				
			11-13TO16-14	PASS	PASS	PASS	PASS	PASS				
		30-60 MHz	1-3TO26-24	PASS	PASS	PASS	PASS	PASS	-16+20LOG(F/30,Hz)			
			4-6TO23-21	PASS	PASS	PASS	PASS	PASS				
			8-10TO19-17	PASS	PASS	PASS	PASS	PASS				
			11-13TO16-14	PASS	PASS	PASS	PASS	PASS				
		60-80MHz	1-3TO26-24	PASS	PASS	PASS	PASS	PASS	-10			
			4-6TO23-21	PASS	PASS	PASS	PASS	PASS				
			8-10TO19-17	PASS	PASS	PASS	PASS	PASS				
			11-13TO16-14	PASS	PASS	PASS	PASS	PASS				
CMRR (dB MIN)	8711/8712	1-60 MHz	1-3TO26-24	PASS	PASS	PASS	PASS	PASS	-45			
			4-6TO23-21	PASS	PASS	PASS	PASS	PASS				
			8-10TO19-17	PASS	PASS	PASS	PASS	PASS				
			11-13TO16-14	PASS	PASS	PASS	PASS	PASS				
		60-100 MHz	1-3TO26-24	PASS	PASS	PASS	PASS	PASS	-40			
			4-6TO23-21	PASS	PASS	PASS	PASS	PASS				
			8-10TO19-17	PASS	PASS	PASS	PASS	PASS				
			11-13TO16-14	PASS	PASS	PASS	PASS	PASS				



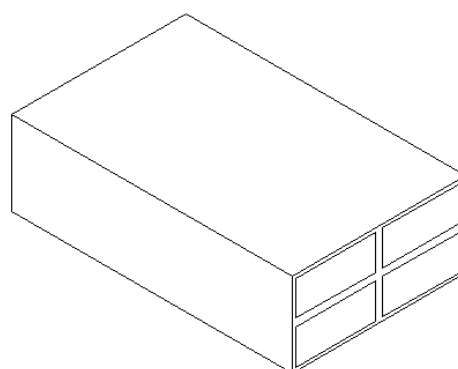
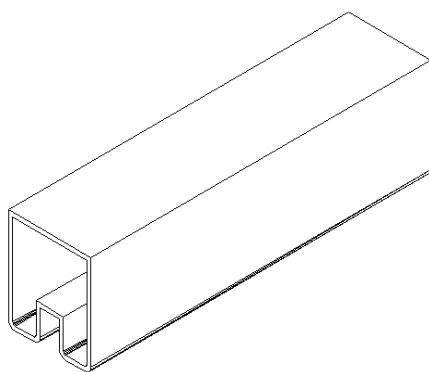
CUSTOMER	ACUWA	CUST P/N.	APL-037
ITEM	TRANSFORMER	DESCRIPTION	YH-26D01A
PART NO.	818-00880	DATE	2009/04/18



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

TUBE MECHANICAL DIMENSION

INNER CARTON :540*160*70



TUBE =40 PCS

INNER CARTON=40 TUBE=40*40=1600PCS

EXPORT CAPTON : 560*340*160

EXPORT CARTON=4 INNER CARON=4*1600=6400PCS

REMARK:	APPROVAL	CHECKED	DRAWN BY
	Liaoqiuhua		Liqing