



YONGCHENG

SPECIFICATION FOR APPROVAL

DATE: AUG 05, 2009

SAMPLE Q'TY 20 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: APL-019C

YONGCHENG P/N : YH-20D01A

DESCRIPTION : 10/100 BASE-TX TRANSFORMER

APPROVED SIGNATURES	
YONGCHENG APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: LiaoQiuHua	APPROVED BY:
DATE: 2009/8/5	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

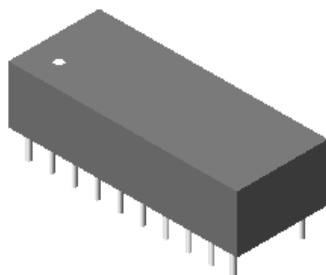
P/N:YH-20D01A DATA SHEET(REFERENCE ACUWA APL-019C)



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℃

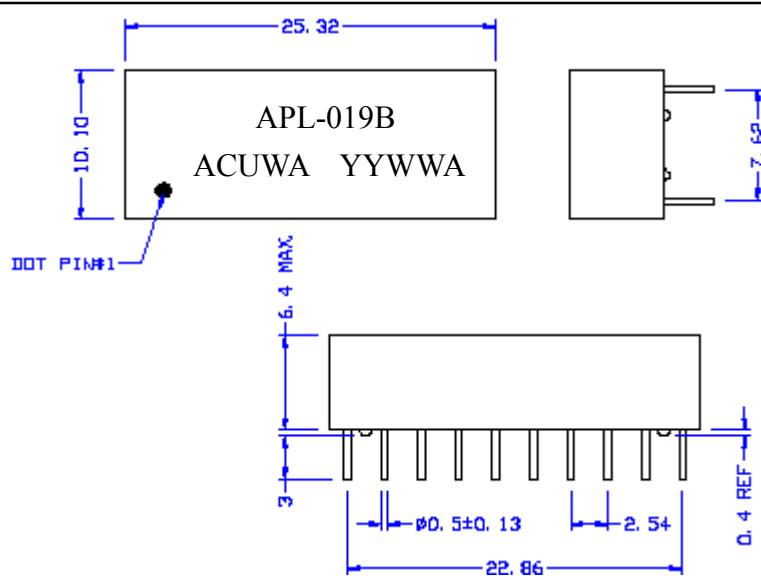
Part Number	Turns Ratio TX/RX	OCL(uH Min) 100KHz/0.1V with 8Ma DC BIAS	PRI DCR (Ω MAX)	CW/W (pF TYP)	HI-POT (Vrms)	Cross talk (dB Min)
						0.3-100MHz
YH-20D01A	1CT:1CT	350	0.9	52	1500	-38

Continue

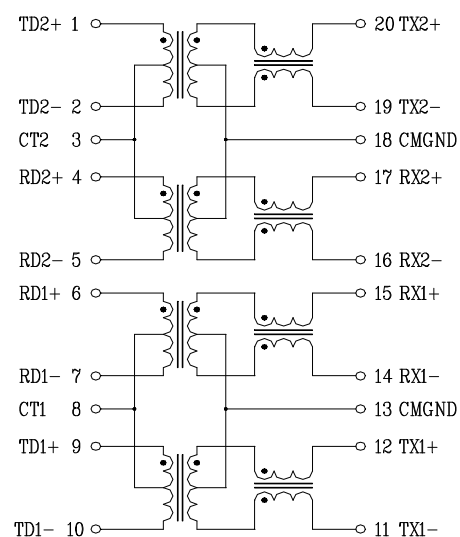
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ 100Ω+/-15%				CMRR (dB TYP)
	1-100MHz	0.5-30MHz	40MHz	50MHz	60-80MHz	0.3-100MHz
YH-20D01A	-1.1	-18	-15	-13	-11	-40

Mechanical

Schematic



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



Approved by.:LiaoZongCheng Checked by. :

Prepared by :Liqing

A0(09/08)

SAMPLES TEST REPORT



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PART NO.		APL-019C		DATE			2009/8/5				
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/0.1V with 8mA DC BIAS	1-2=20-19	456	489	387	425	561	350		
			4-5=17-16	523	446	487	536	512			
			6-7=15-14	475	463	441	438	389			
			9-10=12-11	428	456	437	518	525			
Cross Talk (dB MIN)	8711/8712	10-100 MHz	TX OR RX	PASS	PASS	PASS	PASS	PASS	-38		
CW/W (PF TYP)	3250	100KHz/0.1V	3 TO 18	52	56	53	51	55	52		
			8 TO 13	56	51	53	55	54			
DCR (Ω Max)	3250		1-2	0.45	0.51	0.46	0.39	0.45	0.9		
			4-5	0.47	0.43	0.52	0.48	0.46			
			6-7	0.48	0.45	0.46	0.51	0.53			
			9-10	0.49	0.48	0.52	0.48	0.46			
HI-POT(Vrms)	GPI-5005T	1500Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	1S		
TURN RATIO	CA8120A	1MHz/sine wave	1-2:20-19	PASS	PASS	PASS	PASS	PASS	1CT:1CT		
			4-5:17-16	PASS	PASS	PASS	PASS	PASS			
			6-7:15-14	PASS	PASS	PASS	PASS	PASS			
			9-10:12-11	PASS	PASS	PASS	PASS	PASS			

SAMPLES TEST REPORT



PART NO.		APL-019C		DATE			2009/8/5					
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	1-2 TO 20-19	PASS	PASS	PASS	PASS	PASS	-1.1			
			4-5 TO 17-16	PASS	PASS	PASS	PASS	PASS				
			6-7 TO 15-14	PASS	PASS	PASS	PASS	PASS				
			9-10 TO 12-11	PASS	PASS	PASS	PASS	PASS				
Return Loss(dB MIN)	8711/8712	0.5-30 MHz	1-2 TO 20-19	PASS	PASS	PASS	PASS	PASS	-18			
			4-5 TO 17-16	PASS	PASS	PASS	PASS	PASS				
			6-7 TO 15-14	PASS	PASS	PASS	PASS	PASS				
			9-10 TO 12-11	PASS	PASS	PASS	PASS	PASS				
		40 MHz	1-2 TO 20-19	PASS	PASS	PASS	PASS	PASS	-15			
			4-5 TO 17-16	PASS	PASS	PASS	PASS	PASS				
			6-7 TO 15-14	PASS	PASS	PASS	PASS	PASS				
			9-10 TO 12-11	PASS	PASS	PASS	PASS	PASS				
		50MHz	1-2 TO 20-19	PASS	PASS	PASS	PASS	PASS	-13			
			4-5 TO 17-16	PASS	PASS	PASS	PASS	PASS				
			6-7 TO 15-14	PASS	PASS	PASS	PASS	PASS				
			9-10 TO 12-11	PASS	PASS	PASS	PASS	PASS				
		60-80MHz	1-2 TO 20-19	PASS	PASS	PASS	PASS	PASS	-11			
			4-5 TO 17-16	PASS	PASS	PASS	PASS	PASS				
			6-7 TO 15-14	PASS	PASS	PASS	PASS	PASS				
			9-10 TO 12-11	PASS	PASS	PASS	PASS	PASS				
CMRR (dB TYP)	8711/8712	0.3-100 MHz	1-2 TO 20-19	PASS	PASS	PASS	PASS	PASS	-40			
			4-5 TO 17-16	PASS	PASS	PASS	PASS	PASS				
			6-7 TO 15-14	PASS	PASS	PASS	PASS	PASS				
			9-10 TO 12-11	PASS	PASS	PASS	PASS	PASS				

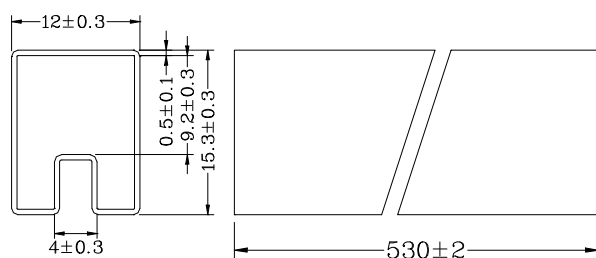


YONGCHENG ELECTRONIC CORP.

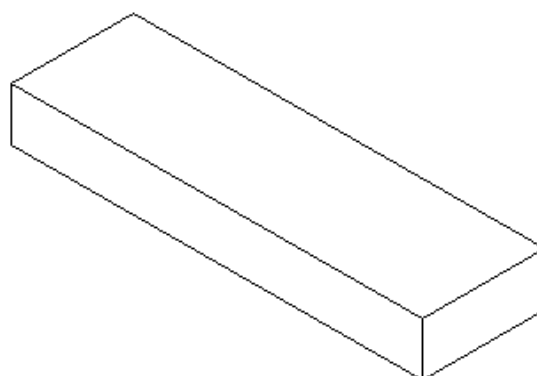
SAMPLES PACK SPECIFICATIONS

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CUSTOMER	ACUWA	CUST P/N.	APL-019C
ITEM	TRANSFORMER	DESCRIPTION	YH-20D01A
PART NO.	818-00050	DATE	2009/8/5

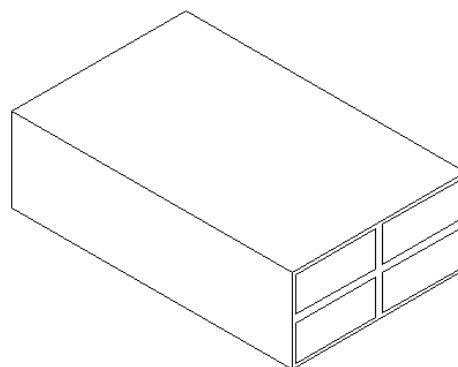
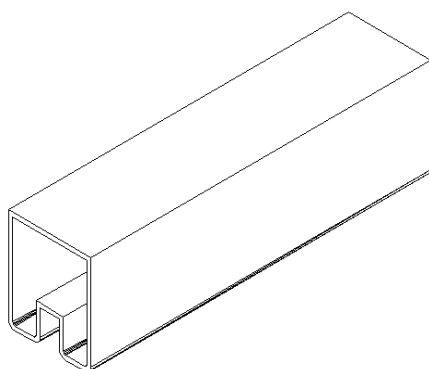


Units:mm Tolerances: xx.xx0±0.25
x.x0±0.25



TUBE MECHANICAL DIMENSION

INNER CARTON :540*160*70



TUBE =20 PCS

INNER CARTON=60 TUBE=60*20=1200PCS

EXPORT CARTON=4INNER CARON=4*1200=4800PCS

EXPORT CAPTON : 560*340*160

REMARK:	APPROVAL	CHECKED	DRAWN BY
	LiaoZongCheng		Liqing