



YONGCHENG

SPECIFICATION FOR APPROVAL

DATE: AUG 18, 2008

SAMPLE Q'TY 12 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: AF-009B

YONGCHENG P/N : YH-16D02AR

DESCRIPTION : 10/100 BASE-TX TRANSFORMER

APPROVED SIGNATURES	
YONGCHENG APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: LiaoZongCheng	APPROVED BY:
DATE: 2007/8/18	DATE:
APPROVED No. :	APPROVED No. :

(ZUNYI)YONGCHENG ENTERPRISE INC.

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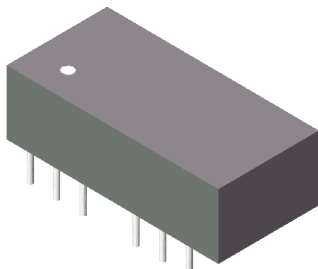
10/100 BASE-TX TRANSFORMER

P/N:YH-16D02AR DATA SHEET(REFERENCE ACUWA AF-009B)



YONGCHENG
ELECTRONIC CORP.

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℃.

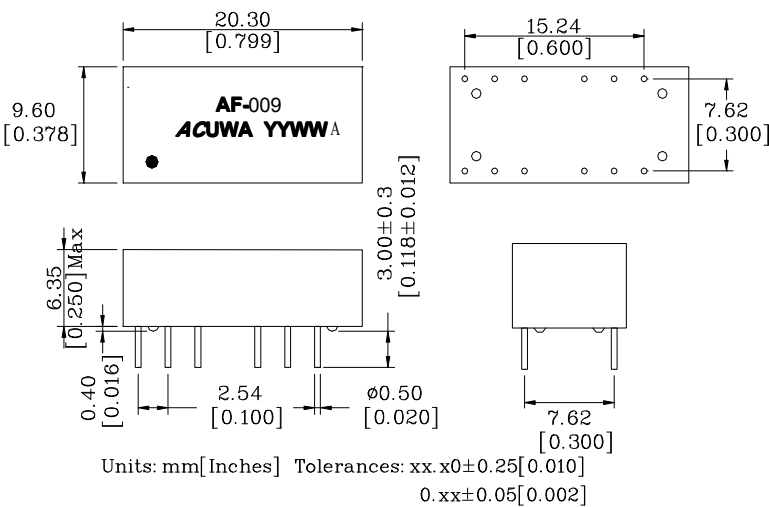
Electrical Specifications @ 25°C

Part Number	Turns Ratio TX/RX	HI-POT (Vrms)	CMRR (dB MIN)				Cross talk (dB Min)	
			0.1-60MHz		60-100MHz		0.1-60MHz	60-100MHz
			TX	RX	TX	RX		
YH-16D02AR	1CT:1CT	1500	-42	-40	-40	-35	-40	-38

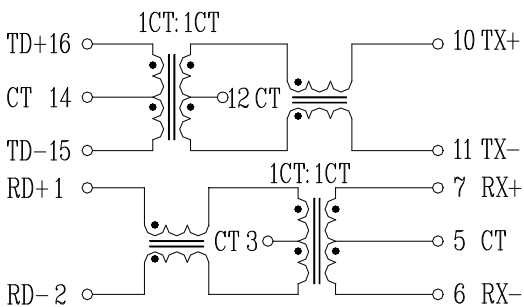
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Part Number	Insertion Loss (dB Max)	Return Loss (dB TYP)				RISE TIME (10-90%)
		0.1-60MHz		60-100MHz		
	0.1-125MHz	TX	RX	TX	RX	
YH-16D02AR	-1.1	-18	-17	-13	-15	2.5(ns TYP)

Mechanical



Schematic



SAMPLES TEST REPORT



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PART NO.		AF-009B		DATE			2008/8/18					
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/0.1V with 8mA DC BIAS	1-2	478	483	512	526	487	350			
			10-11	485	493	488	498	516				
HI-POT(Vrms)	GPI-5005T	1500Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	1S			
Cross Talk (dB MIN)	8711/8712	0.1-60 MHz	TX OR RX	-49.6	-46.7	-47.5	-47.2	-48.3	-40			
		60-100 MHz	TX OR RX	-41.6	-39.5	-40.5	-41.8	-41.3				-38
TURN RATIO	CA8120A	1MHz/sine wave	1-2:7-6	1.001	0.999	0.999	1.000	1.001	1CT:1CT			
			10-11:16-15	0.999	1.000	1.000	0.999	0.999				
Insertion Loss (dB MAX)	8711/8712	0.1-125 MHz	TX	-0.51	-0.38	-0.49	-0.42	-0.45	-1.1			
			RX	-0.55	-0.36	-0.47	-0.47	-0.52				
Return Loss(dB MIN)	8711/8712	0.1-60 MHz	TX	-23.9	-24.8	-24.3	-25.2	-25.6	-18			
			RX	-24.2	-25.5	-24.8	-23.6	-25.1	-17			
		60-100 MHz	TX	-18.8	-16.9	-17.2	-18.3	-17.6	-13			
			RX	-18.6	-17.3	-18.5	-17.4	-17.9	-15			
CMRR (dB MIN)	8711/8712	0.1-60 MHz	TX	-54.8	-52.7	-53.2	-54.6	-53.9	-42			
			RX	-54.7	-50.9	-52.4	-53.6	-53.1	-40			
		60-100 MHz	TX	-44.2	-43.1	-44.6	-43.8	-45.1	-40			
			RX	-44.5	-42.6	-43.9	-45.5	-42.1	-35			

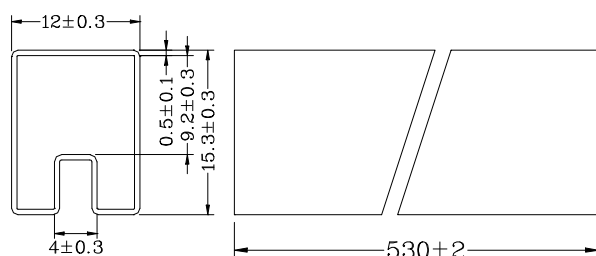


YONGCHENG ELECTRONIC CORP.

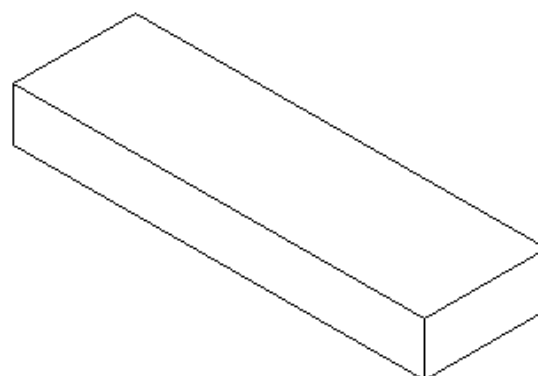
SAMPLES PACK SPECIFICATIONS

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CUSTOMER	ACUWA	CUST P/N.	AF-009B
ITEM	TRANSFORMER	DESCRIPTION	YH-16D02AR
PART NO.	818-00140	DATE	2008/8/18

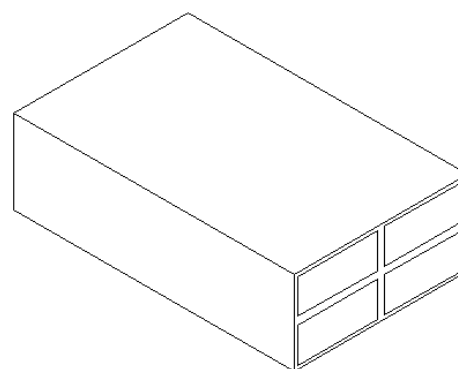
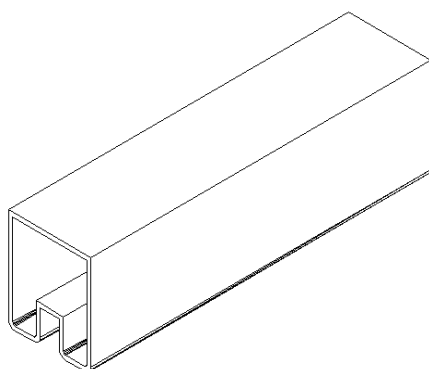


Units:mm Tolerances: xx.xx0±0.25
x.x0±0.25



TUBE MECHANICAL DIMENSION

INNER CARTON :540*160*70



TUBE =25 PCS

INNER CARTON=50 TUBE=50*25=1250PCS

EXPORT CARTON=4INNER CARON=4*1250=5000PCS

EXPORT CAPTON : 560*340*160

REMARK:	APPROVAL	CHECKED	DRAWN BY
	LiaoZongCheng		Liqing