



YONGCHENG

SPECIFICATION FOR APPROVAL

DATE:AUG 18, 2008

SAMPLE Q'TY 12 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: APL-002H

YONGCHENG P/N : YH-16S08A

DESCRIPTION : 10/100 BASE-TX TRANSFORMER

APPROVED SIGNATURES	
YONGCHENG APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: LiaoZongCheng	APPROVED BY:
DATE: 2008/08/18	DATE:
APPROVED No. :	APPROVED No. :

(ZUNYI)YONGCHENG ENTERPRISE INC.

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10/100 BASE-TX VOICE OVER IP MAGNETICS MODULE

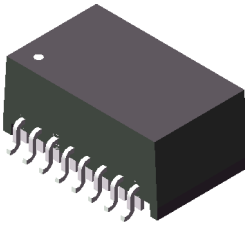
P/N:YH-16S08A DATA SHEET(REFERENCE ACUWA APL-002H)



YONGCHENG
ELECTRONIC CORP.

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Feature



- ◆ IEEE 802.3 af/ANSI X3.263 compliant performance
- ◆ Pb free Soldering Heat Withstanding
- ◆ Designed for IP phone or switch applications
- ◆ Compact footprint
- ◆ Some models offer Auto MDIX capability
- ◆ Insulation resistance: 10,000MΩ.
- ◆ Operating temperature range : 0°C to +70°C.
- ◆ Storage temperature range: 0°C to +125°C.

Electrical Specifications @ 25°C

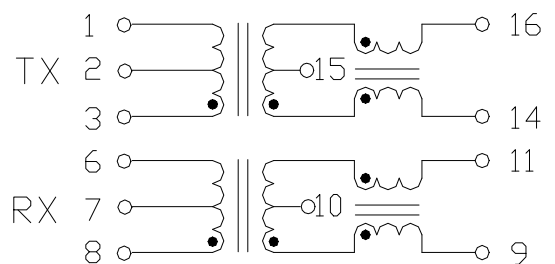
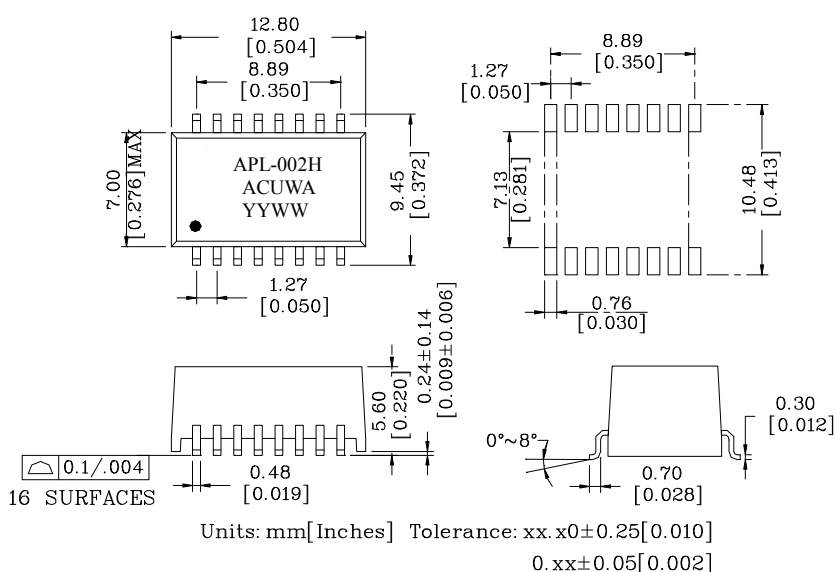
Part Number	Turns Ratio (+/-3%)	OCL(uH Min) 100KHz/0.1V with 8mA/DC Bias	HI-POT (Vrms)	Cross talk (dB Min)		
				30MHz	62MHz	100MHz
YH-16S08A	1CT:1CT	350	1500	-38	-38	-38

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			CMRR (dB Min)		
		30MHz	50MHZ	80MHZ	30MHz	50MHZ	100MHz
YH-16S08A	-1.15	-18	-12	-10	-40	-40	-40

Mechanical

Schematic



Approved by. : 廖忠誠

Checked by. :

Prepared by. : 覃小彬

A1(08/08)

SAMPLES TEST REPORT



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PART NO.		APL-002H		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	1-3=16-14	465	481	562	392	418	350		
			6-8=11-9	488	503	526	428	465			
HI-POT(Vrms)	GPI-5005T	1500Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	1S		
Cross Talk (dB MIN)	8711/8712	30 MHz	TX OR RX	-47.2	-46.7	-48.3	-47.5	-49.6	-38		
		62 MHz	TX OR RX	-44.3	-45.5	-44.5	-45.1	-43.8	-38		
		100 MHz	TX OR RX	-41.8	-39.5	-41.3	-40.5	-41.6	-38		
TURN RATIO	CA8120A	1MHz/sine wave	1-3:16-14	0.999	0.999	1.001	1.001	1.000	1CT:1CT		
			6-8:11-9	1.000	1.001	0.999	1.000	0.999			
Insertion Loss (dB MAX)	8711/8712	0.1-100 MHz	1-3 TO 16-14	-0.38	-0.42	-0.45	-0.49	-0.51	-1.15		
			6-8 TO 11-9	-0.36	-0.47	-0.52	-0.47	-0.55			
Return Loss(dB MIN)	8711/8712	30 MHz	1-3 TO 16-14	-25.6	-25.9	-24.9	-26.0	-25.1	-18		
			6-8 TO 11-9	-25.8	-25.2	-25.3	-26.3	-25.6			
		60 MHz	1-3 TO 16-14	-19.6	-20.3	-18.3	-18.8	-20.5	-12		
			6-8 TO 11-9	-20.5	-21.2	-20.2	-18.9	-19.6			
		80 MHz	1-3 TO 16-14	-14.8	-15.2	-16.1	-15.9	-15.6	-10		
			6-8 TO 11-9	-15.3	-14.6	-13.8	-15.5	-14.8			
CMRR (dB MIN)	8711/8712	30 MHz	1-3 TO 16-14	-54.3	-52.1	-52.9	-53.6	-51.9	-40		
			6-8 TO 11-9	-54.1	-53.6	-53.7	-52.6	-51.4			
		50 MHz	1-3 TO 16-14	-47.3	-48.2	-49.1	-47.8	-48.9	-40		
			6-8 TO 11-9	-48.8	-49.5	-48.1	-47.6	-48.3			
		100 MHz	1-3 TO 16-14	-45.5	-43.6	-44.1	-45.2	-42.9	-40		
			6-8 TO 11-9	-44.5	-43.7	-45.1	-44.7	-42.8			

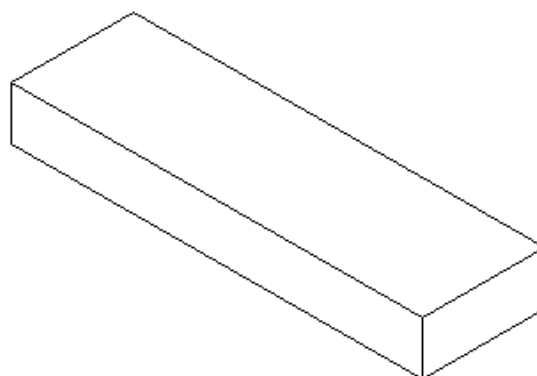
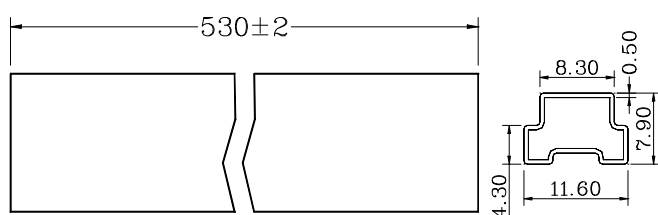


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SAMPLES PACK SPECIFICATIONS

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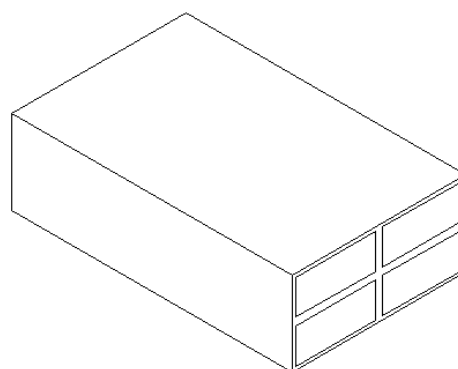
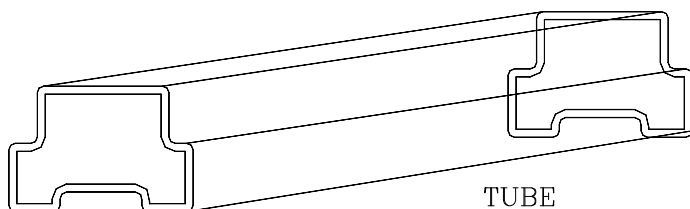
CUSTOMER	ACUWA	CUST P/N.	APL-002H
ITEM	TRANSFORMER	DESCRIPTION	YH-16S08A
PART NO.	818-00260	DATE	2008/08/18



Units: mm [Inches]
Tolerance: ± 0.25
Units: mm [Inches]
Tolerance: ± 0.25
TUBE MECHANICAL DIMENSION

TUBE MECHANICAL DIMENSION

INNER CARTON :540*160*70



TUBE =40 PCS

EXPORT CAPTON : 560*340*160

INNER CARTON=96 TUBE=96*40=3840PCS

EXPORT CARTON=4INNER CARON=4*3840=15360PCS

REMARK:	APPROVAL	CHECKED	DRAWN BY
	廖忠誠		覃小彬