



YONGCHENG

SPECIFICATION FOR APPROVAL

DATE:NOV 18, 2008

SAMPLE Q'TY 13 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: SM51268L

YONGCHENG P/N : YH-16S18AR

DESCRIPTION : 10/100 BASE-TX TRANSFORMER

APPROVED SIGNATURES	
YONGCHENG APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: LiaoZongCheng	APPROVED BY:
DATE: 2008/11/18	DATE:
APPROVED No. :	APPROVED No. :

(ZUNYI)YONGCHENG ENTERPRISE INC.

LanGongShan,ZunYi City,GuiZhou,China

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

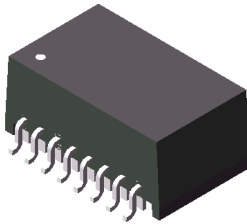
10/100 BASE-TX VOICE OVER IP MAGNETICS MODULE
P/N:YH-16S18AR DATA SHEET(REFERENCE NIDCOM 000-7421-30)



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 +70°C.

Electrical Specifications @ 25°C

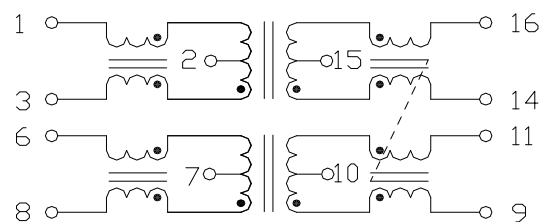
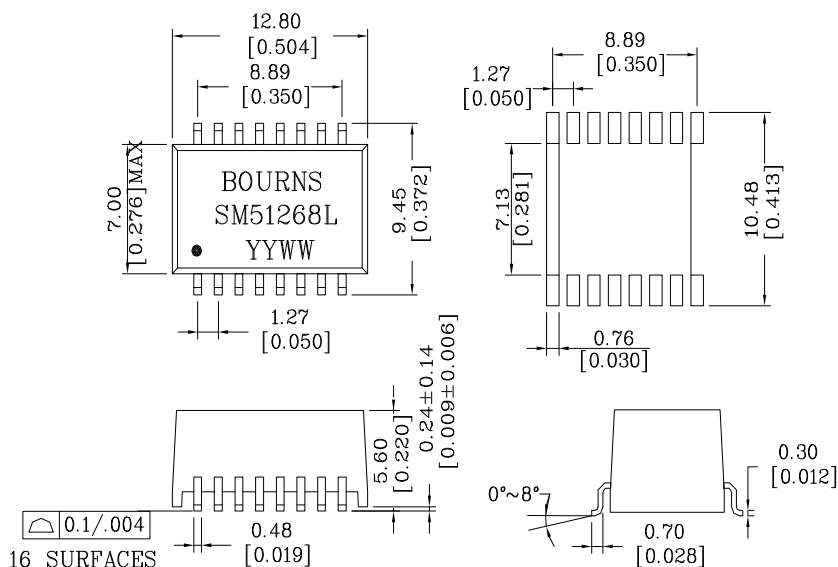
Part Number	Turns Ratio (+/-5%)	OCL(uH Min) 100KHz/0.1V with 8mA/DC Bias	HI-POT (Vrms)	Cross talk (dB Min)
				1-100MHz
YH-16S18AR	1CT:1CT	350	1500	-35

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				DCMRR (dB Min)
		1-100 MHz	1-30MHz	30-40MHz	40-50MHz	50-80MHz
YH-16S18AR	-1.2	-16	-14	-13	-12	-35

Mechanical

Schematic



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

SAMPLES TEST REPORT



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PART NO.		SM51268L	DATE			2008/11/18					
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	1-100 MHz	TX OR RX	PASS	PASS	PASS	PASS	PASS	-35		
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	PASS	PASS	PASS	PASS	PASS	-1.2		
			6-8 TO 11-9	PASS	PASS	PASS	PASS	PASS			
Return Loss(dB MIN)	8711/8712	1-30 MHz	1-3 TO 16-14	PASS	PASS	PASS	PASS	PASS	-16		
			6-8 TO 11-9	PASS	PASS	PASS	PASS	PASS			
		30-40 MHz	1-3 TO 16-14	PASS	PASS	PASS	PASS	PASS	-14		
			6-8 TO 11-9	PASS	PASS	PASS	PASS	PASS			
		40-50 MHz	1-3 TO 16-14	PASS	PASS	PASS	PASS	PASS	-13		
			6-8 TO 11-9	PASS	PASS	PASS	PASS	PASS			
		50-80MHz	1-3 TO 16-14	PASS	PASS	PASS	PASS	PASS	-12		
			6-8 TO 11-9	PASS	PASS	PASS	PASS	PASS			
DCMRR (dB MIN)	8711/8712	1-100 MHz	1-3 TO 16-14	PASS	PASS	PASS	PASS	PASS	-35		
			6-8 TO 11-9	PASS	PASS	PASS	PASS	PASS			

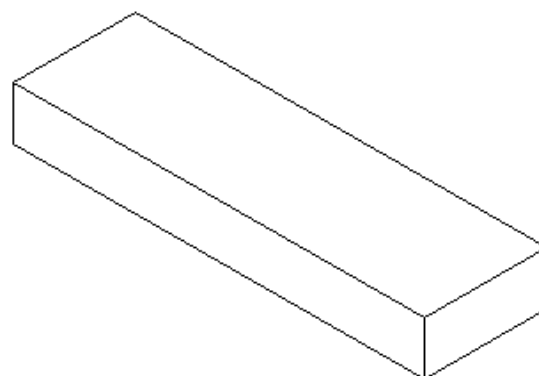
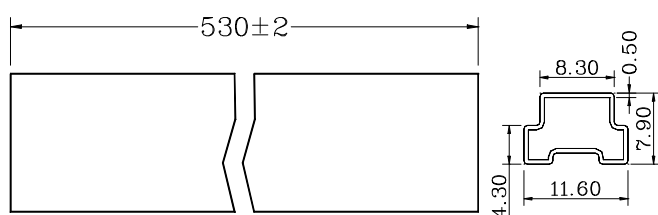


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SAMPLES PACK SPECIFICATIONS

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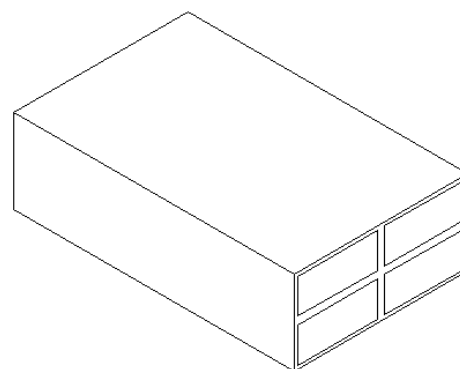
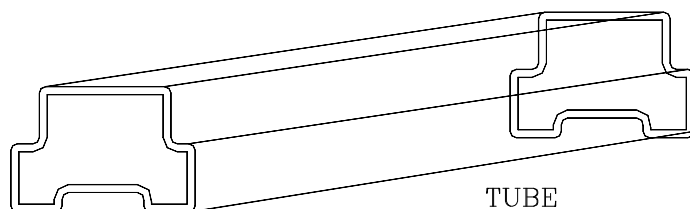
CUSTOMER	ACUWA	CUST P/N.	SM51268L
ITEM	TRANSFORMER	DESCRIPTION	YH-16S18AR
PART NO.	818-01680	DATE	2008/11/18



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

TUBE MECHANICAL DIMENSION

INNER CARTON :540*160*70



TUBE =40 PCS

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

EXPORT CAPTON : 560*340*160

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

REMARK:	APPROVAL	CHECKED	DRAWN BY
	廖忠誠		覃小彬