



# YONGCHENG

## SPECIFICATION FOR APPROVAL

DATE: July 8, 2008

SAMPLE Q'TY 5 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: 102399

YONGCHENG P/N : YI-16SH02AR

DESCRIPTION : ISDN SO MODULE TRANSFORMER

| APPROVED SIGNATURES           |                              |
|-------------------------------|------------------------------|
| YONGCHENG APPROVED SIGNATURES | CUSTOMER APPROVED SIGNATURES |
|                               |                              |
| APPROVED BY: LiaoZongCheng    | APPROVED BY:                 |
| DATE: 2010/6/11               | DATE:                        |
| APPROVED No. :                | APPROVED No. :               |

**YONGCHENG(ZUNYI) ENTERPRISE INC.**

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# ISDN SO MODULE TRANSFORMER

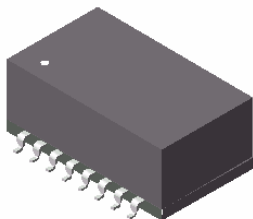
P/N:YI-16SH02AR DATA SHEET(REFERENCE ACUWA 102399)



**YONGCHENG**  
ELECTRONIC CORP.

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## Feature



- ◆ SMD modules are designed for pick and place compatability
- ◆ Fully ROHS compliant and meets lead free reflow level J-STD-020C
- ◆ Operating temperature range : 0°C to +85°C.
- ◆ Storage temperature range: 0°C to +125°C.

## Electrical Specifications @ 25°C

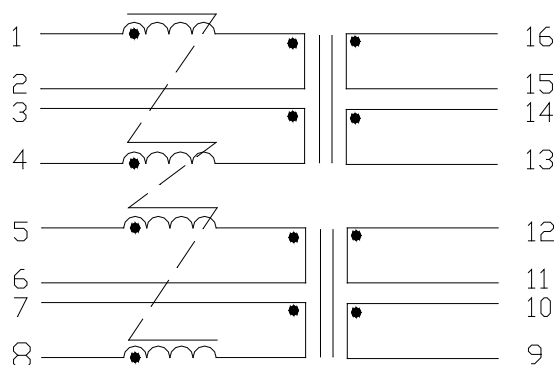
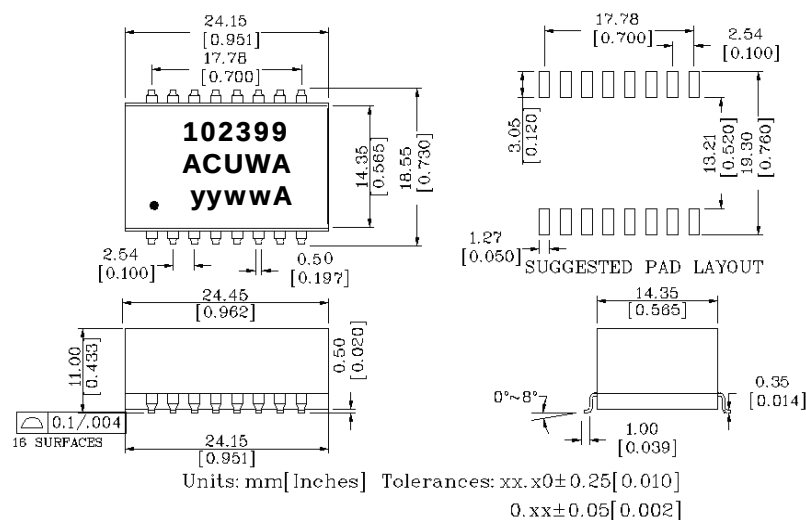
| Part Number | Turns Ratio<br>(+/-2%)          |                               | DCR<br>( $\Omega$ +/-25% ) |                        | HI-POT<br>(Vrms 1mA 60SEC)                 |                            |
|-------------|---------------------------------|-------------------------------|----------------------------|------------------------|--------------------------------------------|----------------------------|
|             | 1-4: 16-13<br>(short 2,3,14,15) | 5-8:12-9<br>(short 6,7,11,10) | 1-2=3-4=5-6=7-8            | 16-15=14-13=12-11=10-9 | 1,2,3,4,5,6,7,8/16,15<br>,14,13,12,11,10,9 | 5,6,12,1<br>1/7,8,9,1<br>0 |
| YI-16SH02AR | 1:2                             | 1:2                           | 1.4                        | 1.8                    | 4000                                       | 500                        |

## Continue

| Part Number | Cw/w(pF Max)<br>10KHz/0.1V | OCL(mH Min)<br>10KHz/0.1V |                  | LI(uH Max)<br>100KHz/0.1V  |                           |
|-------------|----------------------------|---------------------------|------------------|----------------------------|---------------------------|
|             | 1-16,5-12                  | 16-13(Short15-14)         | 12-9(Short11-10) | 1-4(Short13,14,15,16,2,3,) | 5-8(Short12,11,10,9,6,7,) |
| YI-16SH02AR | 100                        | 110                       | 110              | 12                         | 12                        |

## Mechanical

## Schematic



Approved by.:Liaozongcheng Checked by. :

Prepared by :Liqing

A0(10/06)

Acuwa

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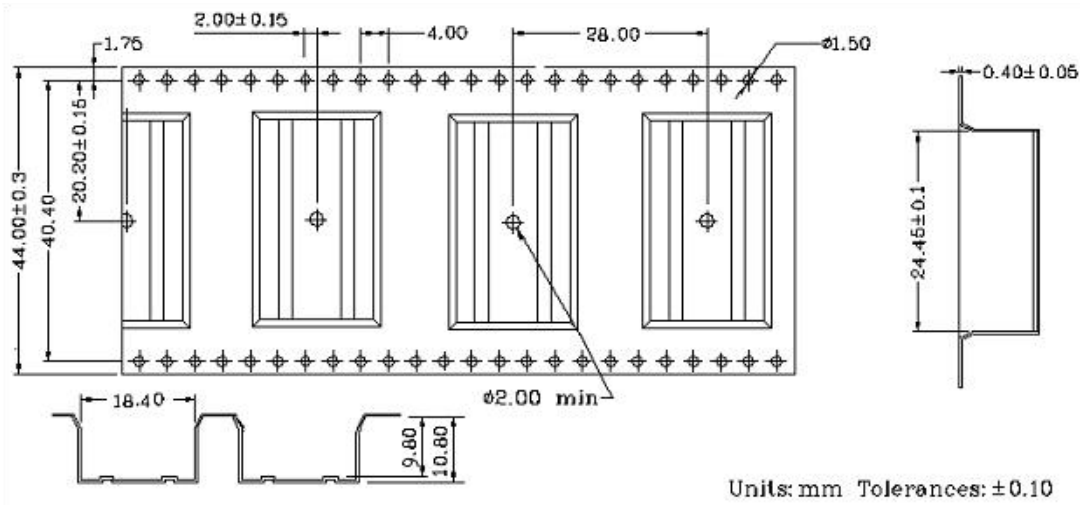
|                    |                 |                            |                                  |      |      |      |           |      |               |     |     |  |  |
|--------------------|-----------------|----------------------------|----------------------------------|------|------|------|-----------|------|---------------|-----|-----|--|--|
| PART NO.           |                 | ATS-743R-3                 |                                  | DATE |      |      | 2010/0611 |      |               |     |     |  |  |
| DESCRIPTION        |                 | ISDN SO MODULE TRANSFORMER |                                  |      |      |      |           |      |               |     |     |  |  |
| ITEM               | TEST EQUIPMENTS | TEST CONDITION @ 25℃       | SAMPLES NO.<br>TEST PIN          | 1    | 2    | 3    | 4         | 5    | SPECIFICATION |     |     |  |  |
|                    |                 |                            |                                  |      |      |      |           |      | Min           | Typ | Max |  |  |
| OCL (mH)           | 3250            | 10KHz/0.1V                 | 16-13(Short14,15)                | 155  | 146  | 143  | 130       | 127  | 110           |     |     |  |  |
|                    |                 |                            | 12-9(Short11,10)                 | 139  | 140  | 158  | 136       | 156  |               |     |     |  |  |
| LL (uH MAX)        | 3250            | 100KHz/0.1V                | 1-4(Short13,14,15,16,2,3,)       | 3.1  | 4.2  | 3.8  | 3.5       | 4.1  | 12            |     |     |  |  |
|                    |                 |                            | 5-8(Short12,11,10,9,6,7,)        | 3.3  | 3.4  | 3.9  | 3.7       | 3.0  |               |     |     |  |  |
| CW/W (PF MAX)      | 3250            | 10KHz/0.1V                 | 1 TO 16                          | 79   | 82   | 86   | 91        | 95   | 100           |     |     |  |  |
|                    |                 |                            | 12 TO 5                          | 83   | 82   | 86   | 88        | 96   |               |     |     |  |  |
| DCR (Ω +/-25%)     | 3250            |                            | 1-2=3-4=5-6=7-8                  | 1.26 | 1.28 | 1.19 | 1.24      | 1.21 | 1.4           |     |     |  |  |
|                    |                 |                            | 16-15=14-13=12-11=10-9           | 2.21 | 2.24 | 2.18 | 2.26      | 2.30 |               |     |     |  |  |
| HI-POT(Vrms)       | GPI-5005T       | 4000Vrms                   | 1,2,3,4 TO 16,15,14,13           | PASS | PASS | PASS | PASS      | PASS | 60S           |     |     |  |  |
|                    |                 |                            | 5,6,7,8 TO 12,11,10,9            | PASS | PASS | PASS | PASS      | PASS |               |     |     |  |  |
|                    |                 | 500Vrms                    | 5,6,12,11TO7,8,9,10              | PASS | PASS | PASS | PASS      | PASS | 1S            |     |     |  |  |
|                    |                 |                            | 1,2,16,15TO3,4,14,13             | PASS | PASS | PASS | PASS      | PASS |               |     |     |  |  |
| TURN RATIO (+/-1%) | CA8120A         | 1MHz/sine wave             | 1-4(Short2-3): 16-13(Short14-15) | PASS | PASS | PASS | PASS      | PASS | 1:2           |     |     |  |  |
|                    |                 |                            | 5-8(Short6-7): 12-9(Short11,10)  | PASS | PASS | PASS | PASS      | PASS |               |     |     |  |  |
|                    |                 |                            |                                  |      |      |      |           |      |               |     |     |  |  |

REEL W/DIM 24.45(L) ×18.4(W) ×10.8(H)

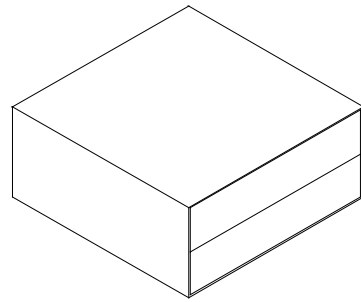
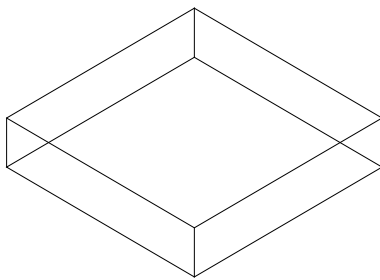


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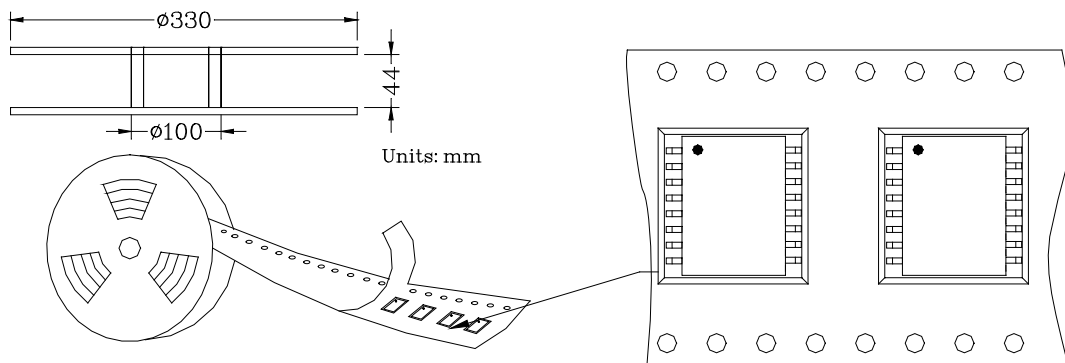


### REEL MECHANICAL DIMENSION



INNER CARTON:34(L)×34(W)×7.6(H)

EXPORT CARTON:36(L)×36(W)×15.6(H)



Approved by : 廖宗成

Checked by. :

Prepared by : 王伟

**REEL W/DIM 24.45(L) ×18.4(W) ×10.8(H)**



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**P/N:YI1602SHAR-1 DATA SHEET(REFERENCE ACUWA 102399)**

1. ONE ROLL : 200PCS
  2. ONE ROLL BOX : 200PCS
  3. TWO BOX CARTON : 400PCS
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**Approvedby : 廖宗成**

**Checked by. :**

**Prepared by : 王伟**