

**10/100 BASE TRANSFORMERS  
DESIGNED FOR NS CHIPSETS  
MODEL NO. : HA-003**

**FEATURES:**

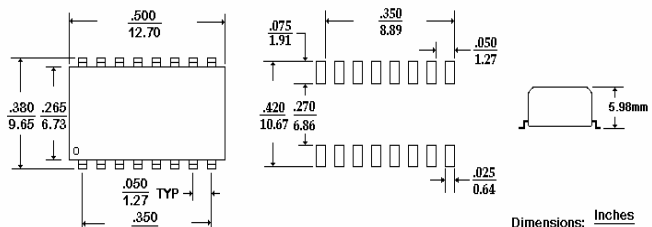
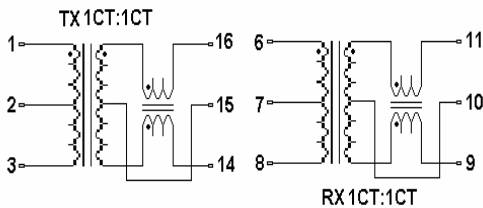
- RoHS Compliant
- Designed to meet IR requirement
- RoHS peak solder rating 260
- Specifications @ 25
- Operating temp. : - 40 TO + 85

| Part Number | Turns Ratio ( ±5% ) |         | Insertion Loss ( dB MIN ) | Return Loss ( dB MIN ) |          | Common Mode Rejection ( dB MIN . ) |        |        | Cross Talk ( dB MIN ) |          | HIPOT (VAC) |
|-------------|---------------------|---------|---------------------------|------------------------|----------|------------------------------------|--------|--------|-----------------------|----------|-------------|
|             | TX                  | RX      |                           | 0.1~125 MHz            | 1~60 MHz | 60~100 MHz                         | 30 MHz | 50 MHz | 100 MHz               | 1~60 MHz |             |
| HA-003      | 1CT:1CT             | 1CT:1CT | -1.1                      | -15                    | -14      | -42                                | -37    | -33    | -40                   | -38      | 1500        |
|             |                     |         |                           |                        |          |                                    |        |        |                       |          |             |

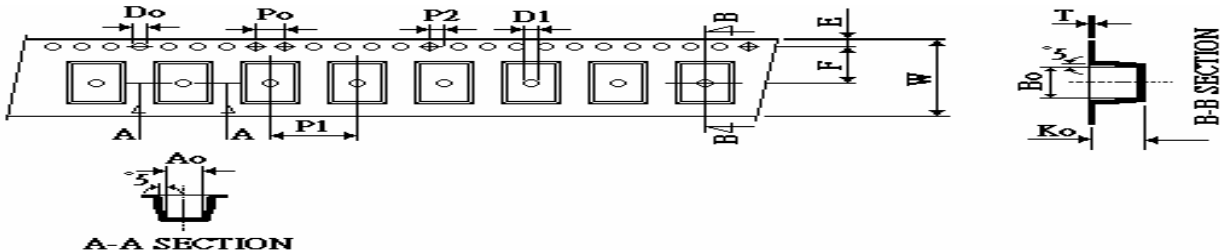
**SCHEMATICS:**

**DIMENSION:**

TOLERANCE:mm(±0.25)



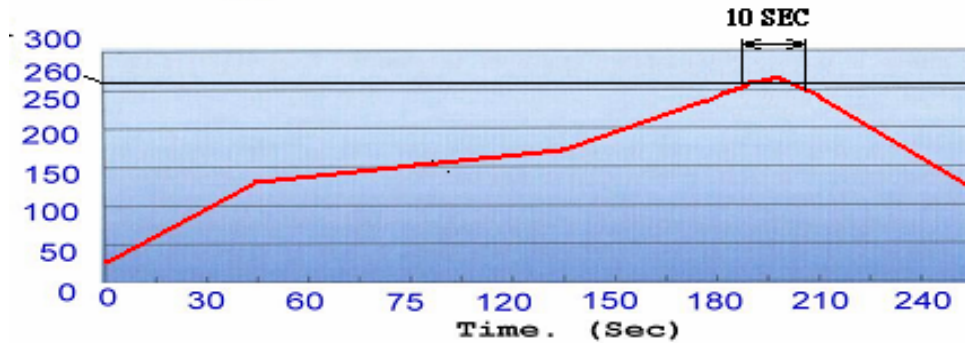
**Packing :**



| DIMENSION | W    | P1   | PO   | E     | F    | AO   | BO   | Aot   |
|-----------|------|------|------|-------|------|------|------|-------|
| SPEC.     | 24.0 | 16.0 | 4.0  | 1.75  | 11.5 | 10.0 | 13.2 | 0.08  |
| +/-       | 0.30 | 0.10 | 0.10 | 0.10  | 0.10 | 0.10 | 0.10 | (MIN) |
| DIMENSION | KO   | P2   | Do   | D1    | 10Po | T    | K1   | Bot   |
| SPEC.     | 6.80 | 2.0  | 1.55 | 1.5   | 40.0 | 0.40 | 6.15 | 0.08  |
| +/-       | 0.10 | 0.10 | 0.05 | (MIN) | 0.20 | 0.10 | 0.10 | (MIN) |

Tape & reel.....:600/reel  
Tube.....:39/tub

## Profile of IR Reflow (Lead Free)



## PACKING

1. Tape & Reel : 600pcs / Reel , 3000pcs / Carton
2. Dry Pack : 1pcs  
Product Description:(5g Silica Gel Desiccant)  
PH: 4-8  
Package Materials: Paper(Length  $6.5\pm 1\text{cm}$  , Width  $5\pm 1\text{cm}$ )
3. Reel Packed By Vocumm
4. Seal Per Jedec

