



NO: RD-HA-SD106  
DATE: 2005/09/15 I (REV:A1)

# 10/100 BASE-T SMT TRANSFORMER

## MODEL NO : HA-106

### FEATURE:

RoHS Compliant

RoHS peak solder rating 260

Designed to meet IR requirement

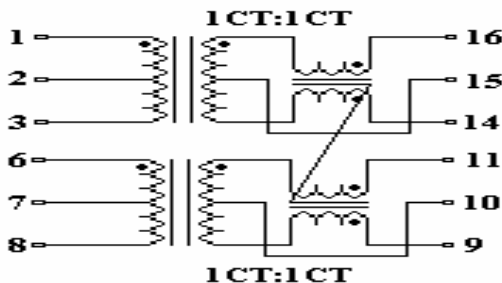
Specifications @ 25

Operating temp. : -40 ~ +85

OCL : 350uH Min @100Khz , 100mV 8mA

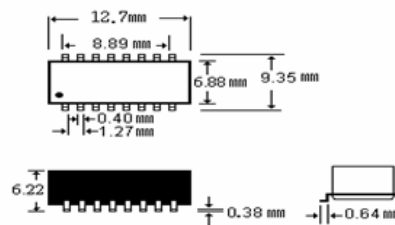
| Part Number | Turns Ratio (±5%) | Insertion Loss (dB MAX) | Return Loss (dB MIN) |            |        | Common Mode Rejection (dB MIN.) |         |          | Cross Talk (dB MIN) |      | HIPOT (VAC) |
|-------------|-------------------|-------------------------|----------------------|------------|--------|---------------------------------|---------|----------|---------------------|------|-------------|
|             |                   |                         | 1~60 MHz             | 60~100 MHz | 30 MHz | 50 MHz                          | 100 MHz | 1~60 MHz | 60~100 MHz          |      |             |
| HA-106      | TX/RX             | 0.1~125 MHz             | 1~60 MHz             | 60~100 MHz | 30 MHz | 50 MHz                          | 100 MHz | 1~60 MHz | 60~100 MHz          | 1500 |             |
|             | 1CT:1CT           | -1.1                    | -15                  | -14        | -42    | -37                             | -33     | -40      | -38                 |      |             |

### SCHEMATICS:

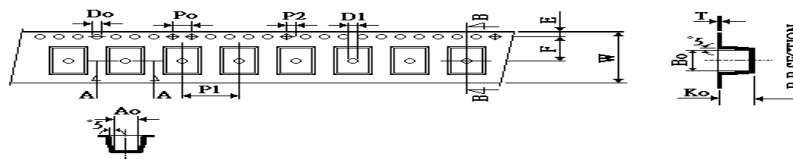


### DIMENSION: mm

TOLERANCE: (±0.25)



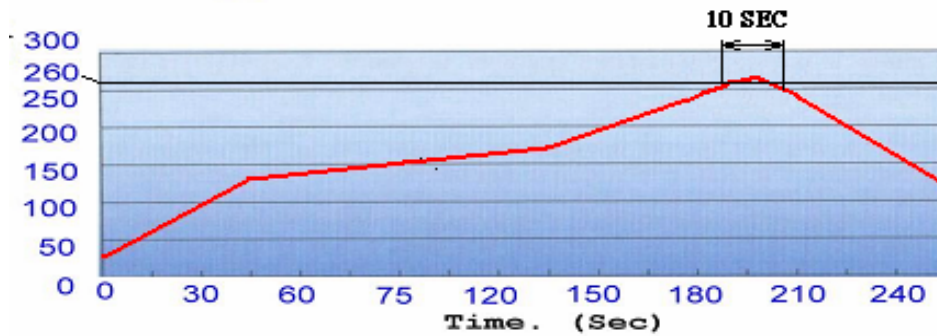
### Packing :



| DIMENSION | W        | P1   | P0   | E     | F    | A0   | B0   | 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 | K0       | P2   | D0   | D1    | 10P0 | 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  
Tub.....39/Tub

## MODEL NO : HA-106 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±1cm , Width 5±1cm)
3. Reel Packed By Vacuum
4. Seal Per Jedec

