



# MINIATURE ENCAPSULATED TELECOMMUNICATION V.90 MODEM TRANSFORMER

REV. Status

REVISION -  
04/30/04 MP

REVISION A  
ADDED REFLOW  
PROFILE & RoHS  
11/13/07 YS

## A. Electrical Specifications (@ 25° C)

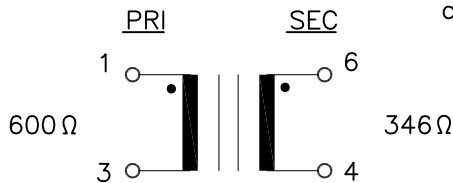
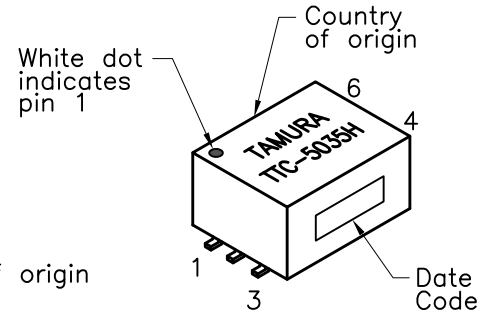
1. Primary Impedance; 600Ω
  2. Secondary Impedance; 346Ω
  3. Insertion Loss: 3.0dB MAX @ 2KHz, 0dBm
  4. Frequency Response; ±0.20dB @ 200Hz to 4KHz, 0dBm
  5. Longitudinal Balance; 80dB MIN @ 200Hz to 4KHz, 0dBm
  6. Return Loss; 16dB MIN @ 200Hz to 4KHz, 0dBm
  7. Primary Inductance; 5.0H MIN @ 200Hz, 0.78Vrms, Lp Measured (1-3)
  8. Leakage Inductance; 10mH MAX @ 1KHz, 0.78Vrms Measured (1-3) with 6 & 4 shorted
  9. DC Resistance; (1-3):135Ω ±15% (6-4):135Ω ±15%
  10. Turns Ratio; (1-3):(6-4)=1:1.00 ±2%
  11. Total Harmonic Distortion; -80dB MAX @ 600Hz, -10dBm (-84dB TYP)
  12. Dielectric Strength; 1875Vrms 1 second @ Pri-Sec
- B. Marking; TTC-5035H, TAMURA, date code and country of origin "H" designates Safety Approved family classification.
- C. Safety; Certified to UL60950, EN60950
- D. Schematic;



UL #E208555

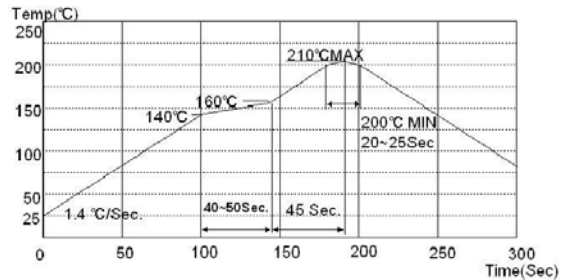
MODEL NUMBER

TTC-5035

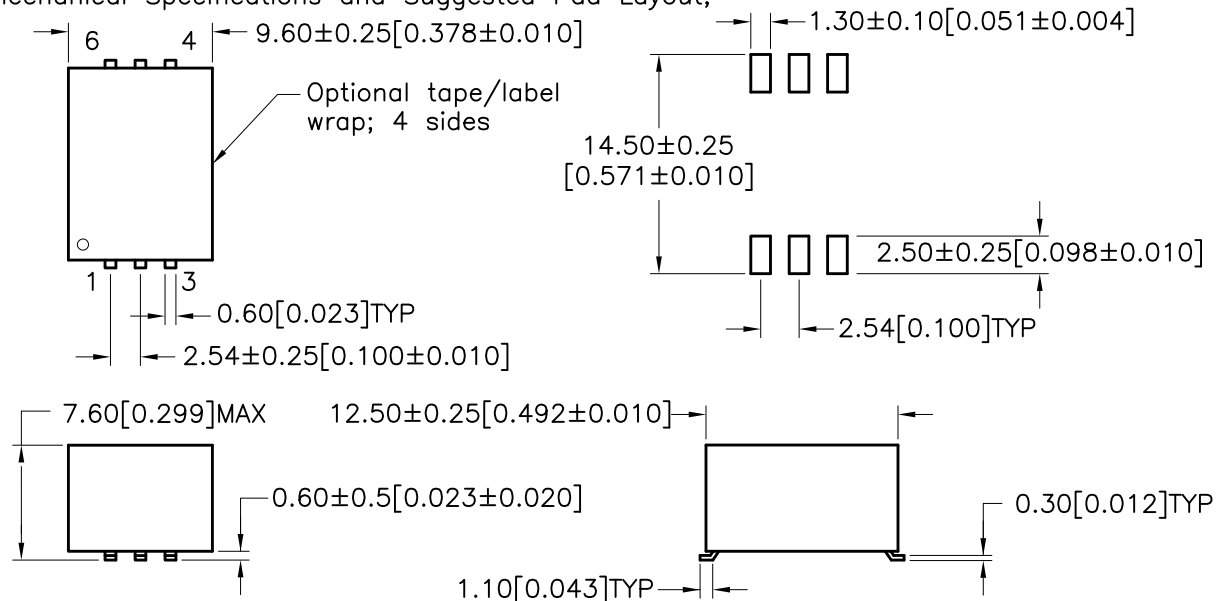


## E. Suggested Reflow Profile (Terminal)

Customer to determine proper profile based on actual conditions.



## F. Mechanical Specifications and Suggested Pad Layout;



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DWG CONTROL NO. P-A1-13359  
ACAD\TTC\A1133591.DWG

REV A

TELECOMMUNICATION V.90  
MODEM TRANSFORMER

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**TTC-5035**

MODEL SPECIFICATION

DIM: mm(In) SCL: 2/1 SH: 1 OF 1

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