



REV. Status

REVISION -
03/24/05 MPREVISION A
ADDED REFLOW
PROFILE & RoHS
11/13/07 YS

MINIATURE ENCAPSULATED TELECOMMUNICATION V.34 MODEM TRANSFORMER

A. Electrical Specifications (@ 25° C)

1. Primary Impedance; 600Ω
2. Secondary Impedance; 430Ω
3. Insertion Loss: 3.5dB MAX @ 2KHz, 0dBm
4. Frequency Response; ±0.25dB @ 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; 4.0H MIN @ 200Hz, 0.78Vrms, Lp
Measured (1-3)
8. Leakage Inductance; 7.0mH MAX @ 1KHz, 0.78Vrms
Measured (1-3) with 6 & 4 shorted
9. DC Resistance;
(1-3):150Ω ±15%
(6-4):150Ω ±15%
10. Turns Ratio; (1-3):(6-4)=1:1.00 ±2%
11. Shunt Loss; 7.0kΩ MIN @ 200Hz, 0.78Vrms, Rp
Measured (1-3)
12. Total Harmonic Distortion;
-76dB MAX @ 600Hz, -10dBm (-82dB TYP)
13. Dielectric Strength; 1875Vrms 1 second @ Pri-Sec

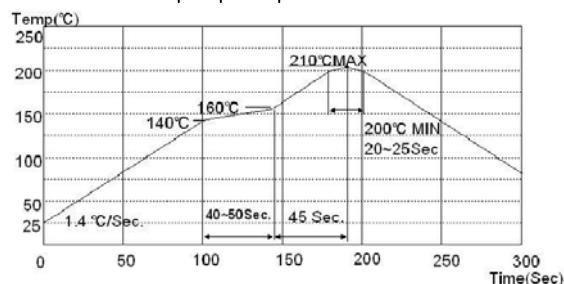
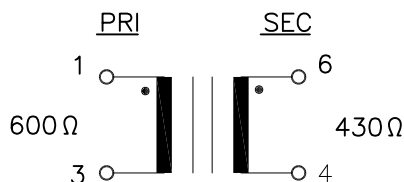
B. Marking; TTC-5025H, TAMURA, date code and country of origin
"H" designates Safety Agency approved family classification.

C. Safety; Certified to UL60950, EN60950

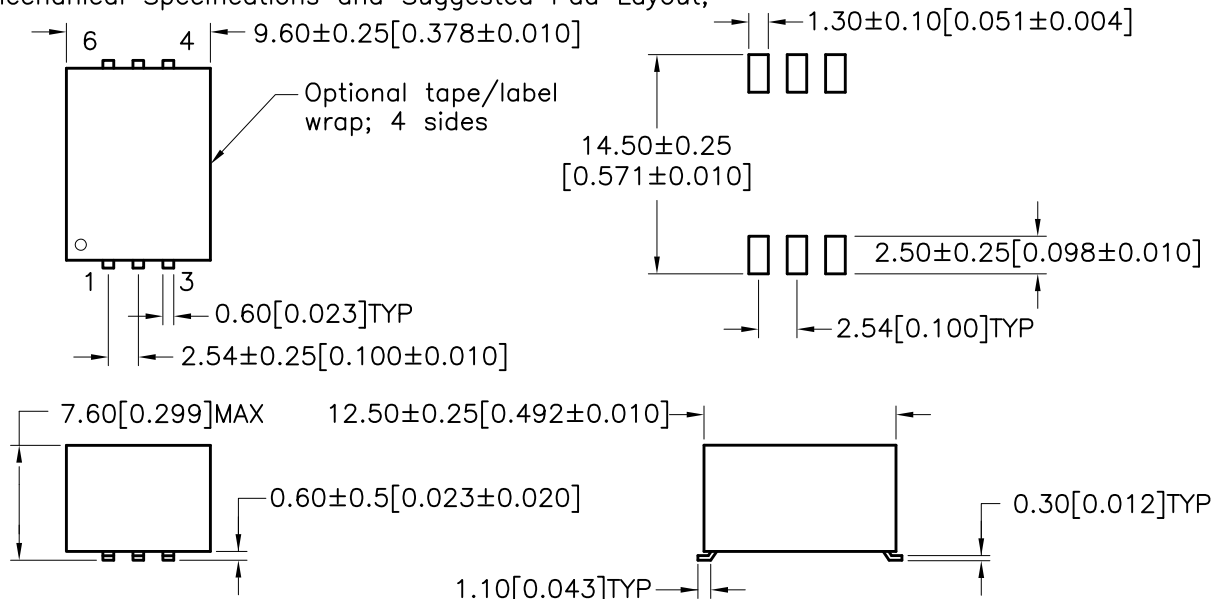
D. Schematic;

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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TTC-5025

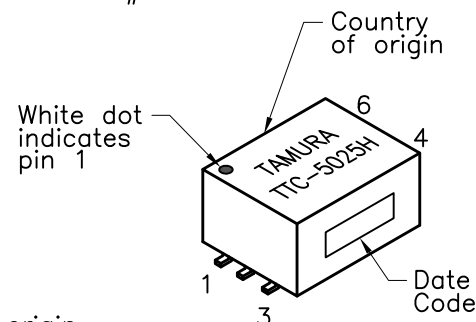
MODEL SPECIFICATION

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

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UL #E208555



MODEL NUMBER

TTC-5025