



MINIATURE ENCAPSULATED TELECOMMUNICATION V.90 MODEM TRANSFORMER

REV. Status

REVISION -  
04/14/05 MP  
  
REVISION A  
ADDED REFLOW  
PROFILE & RoHS  
11/13/07 YS

A. Electrical Specifications (@ 25° C)

1. Primary Impedance; 600Ω
2. Secondary Impedance; 287Ω
3. Insertion Loss: 4.0dB MAX @ 2KHz, 0dBm
4. Frequency Response; ±0.20dB @ 200Hz to 4KHz, 0dBm
5. Longitudinal Balance;  
80dB MIN @ 200Hz to 4KHz, 0dBm
6. Return Loss; 14dB MIN @ 200Hz to 4KHz, 0dBm
7. Primary Inductance; 7.0H 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):175Ω ±15%  
(6-4):175Ω ±15%
10. Turns Ratio; (1-3):(6-4)=1:1.00 ±2%
11. Total Harmonic Distortion;  
-84dB MAX @ 600Hz, -10dBm (-90dB TYP)
12. Dielectric Strength; 1875Vrms 1 second @ Pri-Sec

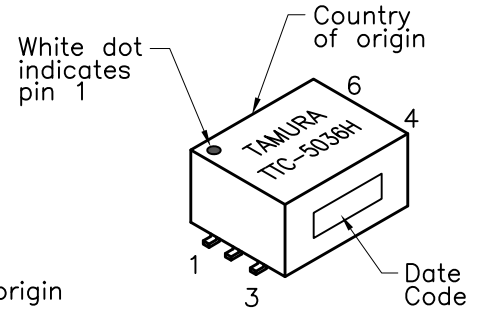


MODEL NUMBER  
**TTC-5036**



UL #E208555

B. Marking; TTC-5036H, TAMURA, date code and country of origin "H" designates Safety Approved family classification.

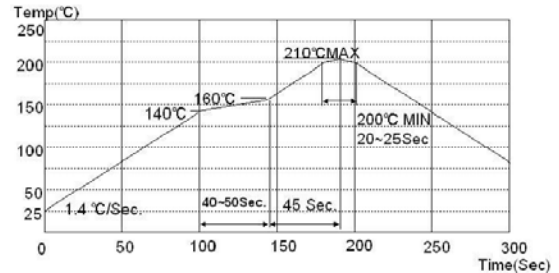
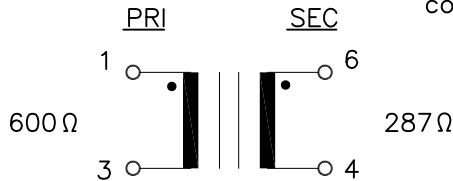


C. Safety; Certified to UL60950, EN60950

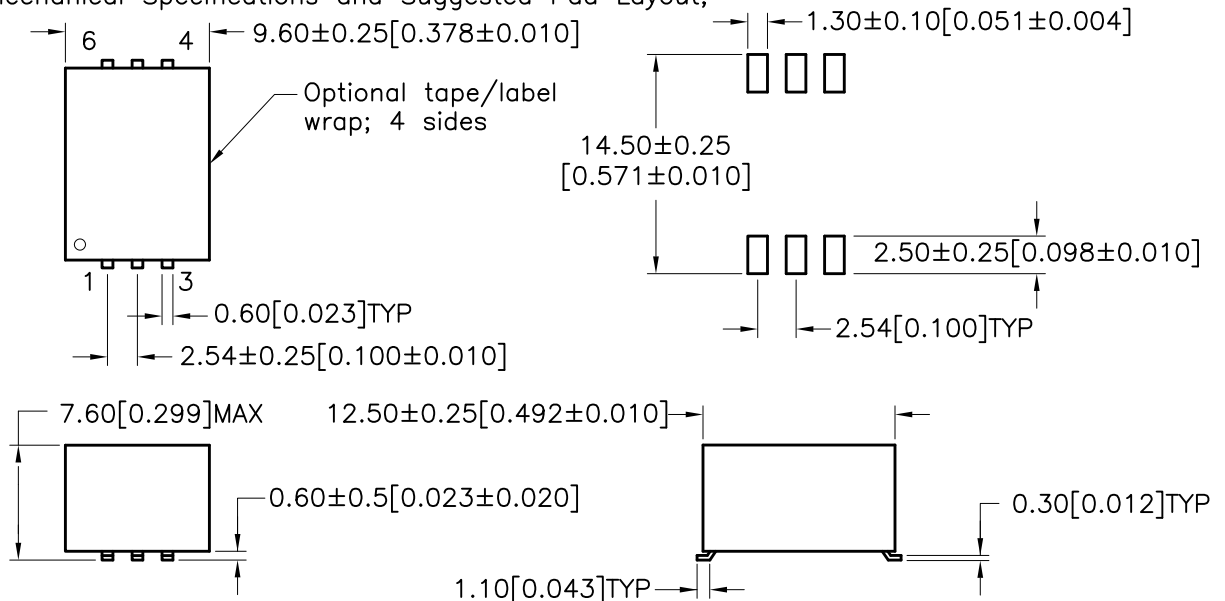
D. Schematic;

E. Suggested Reflow Profile (Terminal)

Customer to determine proper profile based on actual conditions.



F. Mechanical Specifications and Suggested Pad Layout;



PREPARED BY:

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SAFETY ENGINEER

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APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO.  
P-A1-13360  
ACAD\TTC\A1133601.DWG

REV  
A

TELECOMMUNICATION V.90  
MODEM TRANSFORMER

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(951) 699-1270 FAX 9516769482

**TTC-5036**

MODEL SPECIFICATION

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

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