

REV. Status

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

REVISION B
REVISED TEMP
RATING
06/09/15 MP

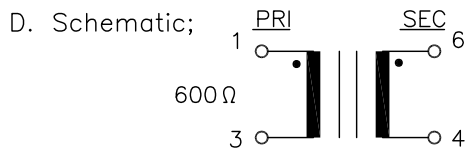
MINIATURE ENCAPSULATED TELECOMMUNICATION V.90 MODEM TRANSFORMER

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

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

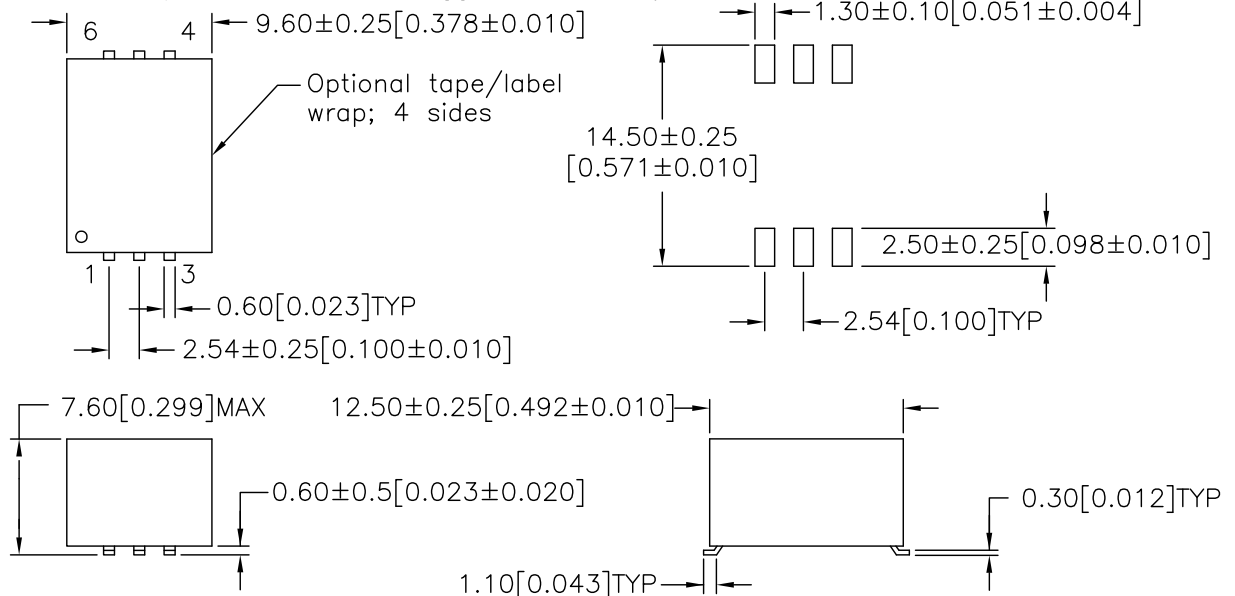
C. Safety; Certified to UL60950, EN60950



E. Operating Temperature: -20 to +85°C
Storage Temperature: -20 to +85°C

F. Suggested Reflow Profile (Terminal)
Customer to determine proper profile based on actual conditions.

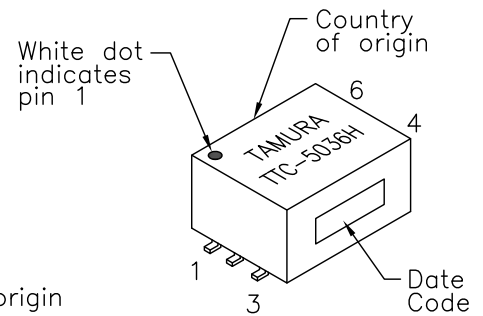
G. Mechanical Specifications and Suggested Pad Layout;



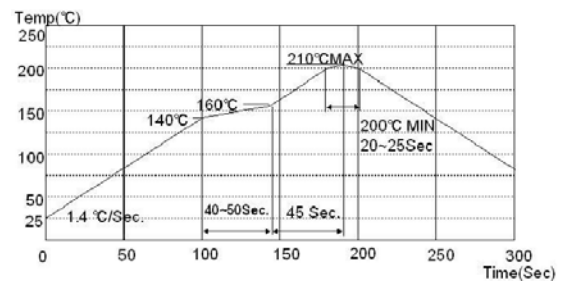
UL #E208555

MODEL NUMBER

TTC-5036



NOTE: Board washing is not recommended for these parts.



PREPARED BY:

C. POPPE

ENGINEER:

MATHI P.

SAFETY ENGINEER

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|---|----------|---|----------------------------------|
| DRAWING CONTROL NO. P-A1-13360 | REV B | MODEL DESCRIPTION TELECOMMUNICATION V.90 MODEM TRANSFORMER | MODEL SPECIFICATION TTC-5036 |
| CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE | | TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536 | DIM: mm [In] SCL: 2/1 SH: 1 OF 1 |

APPROVED:

M. PITCHAI

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