

REV. Status

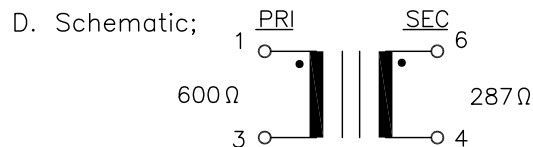
REVISION -
04/14/05 MPREVISION A
ADDED REFLOW
PROFILE & RoHS
11/13/07 YSREVISION B
REVISED TEMP
RATING
06/09/15 MP

MINIATURE ENCAPSULATED TELECOMMUNICATION V.90 MODEM TRANSFORMER

A. Electrical Specifications (@ 25° C)

1. Primary Impedance; 600 Ω
 2. Secondary Impedance; 287 Ω
 3. Insertion Loss: 4.0dB MAX @ 2KHz, 0dBm
 4. Frequency Response; ± 0.20 dB @ 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):175 Ω $\pm 15\%$
(6-4):175 Ω $\pm 15\%$
 10. Turns Ratio; (1-3):(6-4)=1:1.00 $\pm 2\%$
 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.

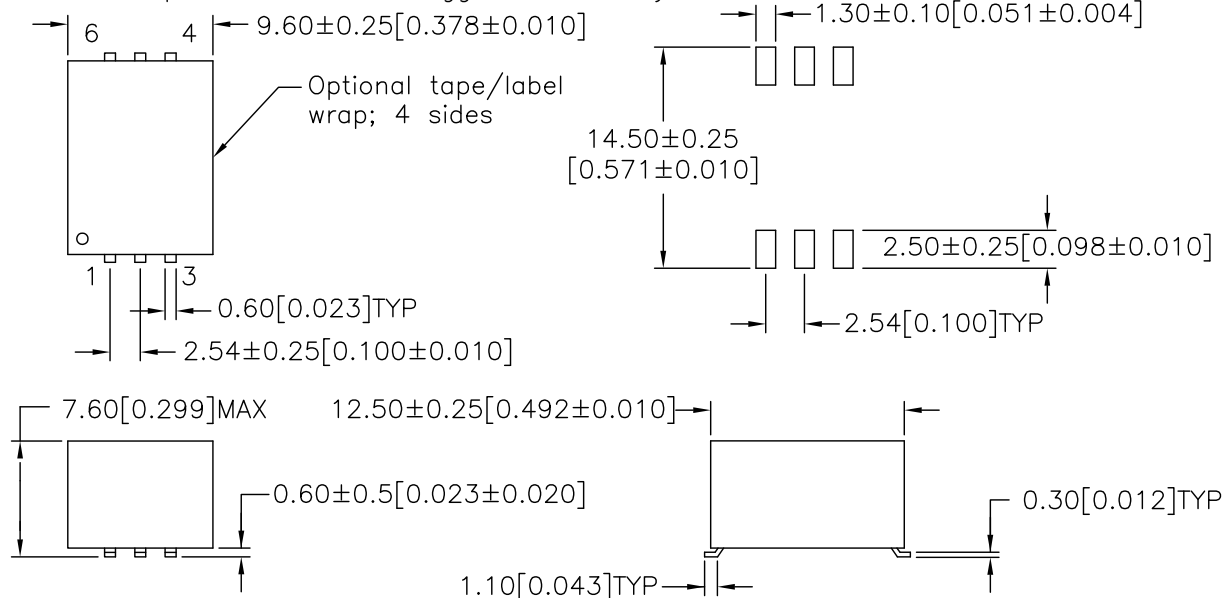
C. Safety; Certified to UL60950, EN60950



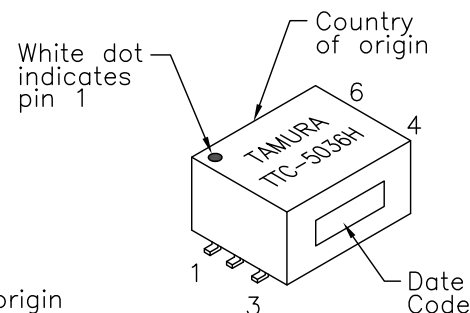
- E. Operating Temperature: -20 to +85°C
Storage Temperature: -20 to +85°C

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

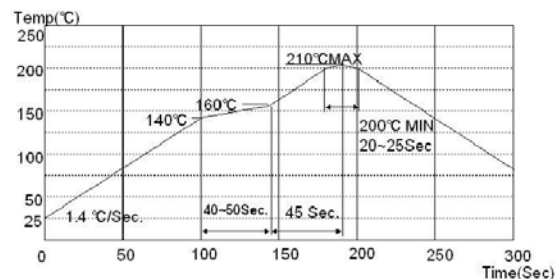
G. Mechanical Specifications and Suggested Pad Layout;



UL #E208555



NOTE: Board washing is not recommended for these parts.



PREPARED BY:

C. POPPE

ENGINEER:

MATHI P.

SAFETY ENGINEER

DRAWING CONTROL NO.

P-A1-13360

REV

B

MODEL DESCRIPTION
TELECOMMUNICATION V.90
MODEM TRANSFORMERTAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
(951) 699-1270 FAX 7607400536

MODEL SPECIFICATION

TTC-5036

DIM: mm [In] SCL: 2/1 SH: 1 OF 1

APPROVED:

M. PITCHAI

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.