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

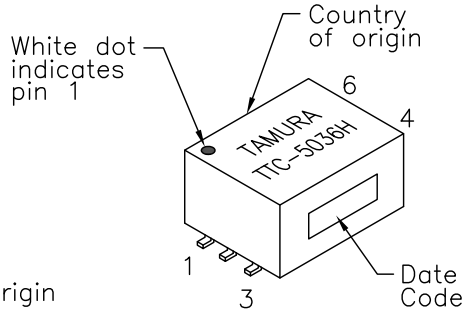
MINIATURE ENCAPSULATED TELECOMMUNICATION V.90 MODEM TRANSFORMER

MODEL NUMBER TTC-5036

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

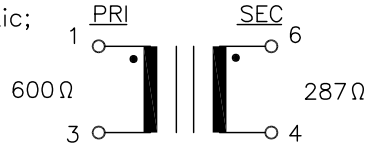
UL #E208555



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

C. Safety; Certified to UL60950, EN60950

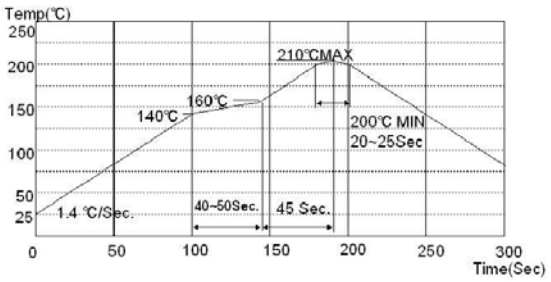
D. Schematic;



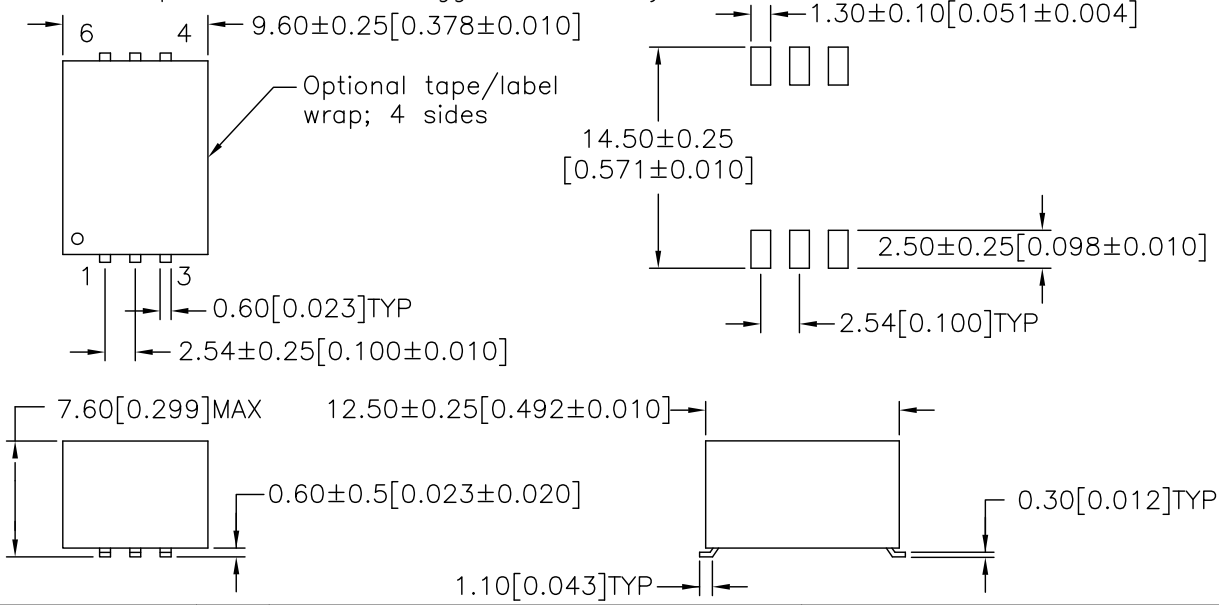
E. Operating Temperature: –20 to +85°C
Storage Temperature: –20 to +85°C

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

NOTE: Board washing is not recommended for these parts.



G. Mechanical Specifications and Suggested Pad Layout;



PREPARED BY: C. POPPE				
ENGINEER: MATHI P.	DRAWING CONTROL NO. P–A1–13360	REV B	MODEL DESCRIPTION TELECOMMUNICATION V.90 MODEM TRANSFORMER	MODEL SPECIFICATION TTC–5036
SAFETY ENGINEER	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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