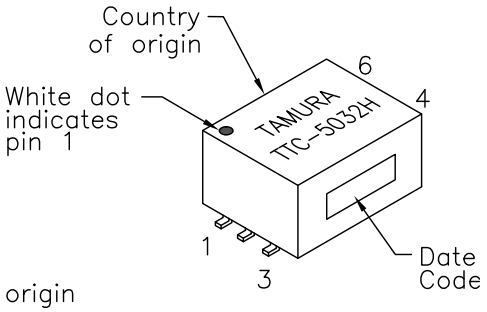
REV. Status
REVISION – 11/04/03 MP
REVISION A CHANGED DIMS 03/10/04 MP
REVISION B ADDED REFLOW PROFILE & RoHS 11/13/07 YS
REVISION C REVISED TEMP RATING 06/08/15 MP

MINIATURE ENCAPSULATED TELECOMMUNICATION V.22 MODEM TRANSFORMER

MODEL NUMBER TTC-5032

A. Electrical Specifications (@ 25° C)
1. Primary Impedance; 600Ω
2. Secondary Impedance; 470Ω
3. Insertion Loss: 2.5dB MAX @ 2KHz, 0dBm
4. Frequency Response; ±0.50dB @ 200Hz to 4KHz, 0dBm
5. Longitudinal Balance; 80dB MIN @ 200Hz to 4KHz, 0dBm
6. Return Loss; 18dB MIN @ 200Hz to 4KHz, 0dBm
7. Primary Inductance; 2.0H MIN @ 200Hz, 0.78Vrms, Lp Measured (1–3)
8. Leakage Inductance; 5.0mH MAX @ 1KHz, 0.78Vrms Measured (1–3) with 6 & 4 shorted
9. DC Resistance; (1–3):95Ω ±15% (6–4):95Ω ±15%
10. Turns Ratio; (1–3):(6–4)=1:1.00 ±2%
11. Shunt Loss; 4.0kΩ MIN @ 200Hz, 0.78Vrms, Rp Measured (1–3)
12. Total Harmonic Distortion; –73dB MAX @ 600Hz, –10dBm (–79dB TYP)
13. Dielectric Strength; 1875Vrms 1 second @ Pri–Sec

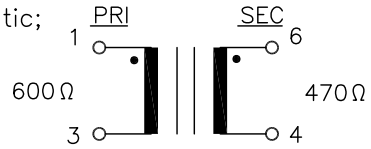
UL #E208555



B. Marking; TTC–5032H, TAMURA, date code and country of origin "H" designates Safety Agency approved family classification.

C. Safety; Certified to UL60950, EN60950

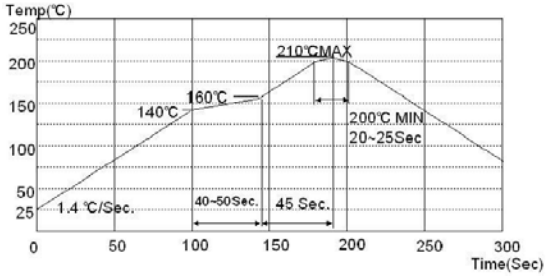
D. Schematic;



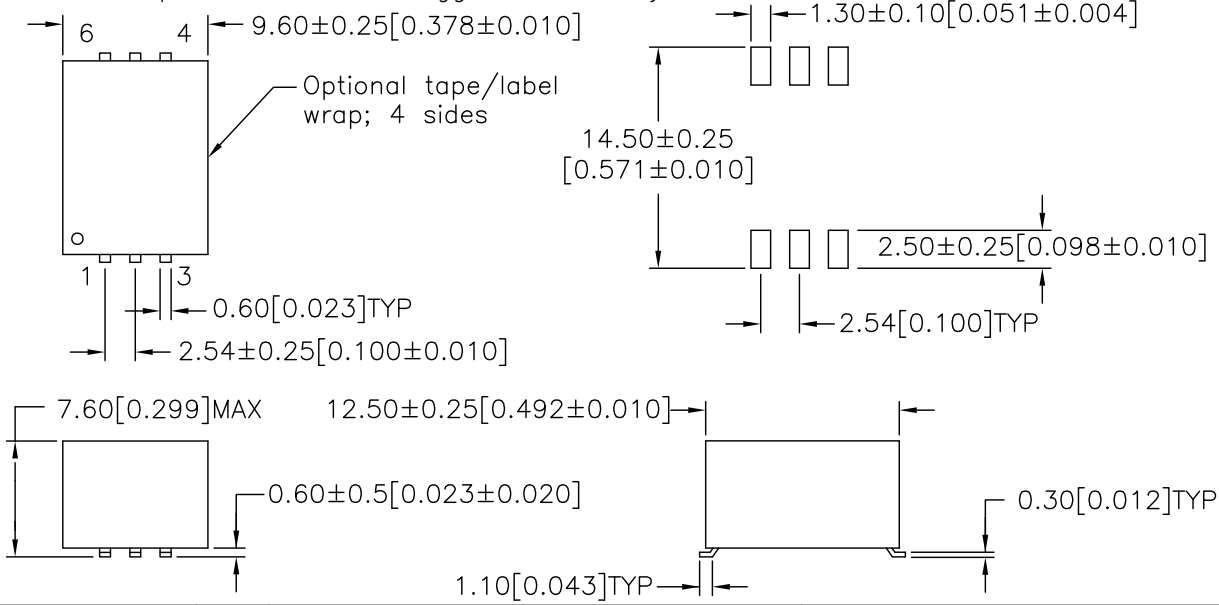
NOTE: Board washing is not recommended for these parts.

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;



PREPARED BY: C. POPPE				
ENGINEER: MATHI P.	DRAWING CONTROL NO. P–A1–13310	REV C	MODEL DESCRIPTION TELECOMMUNICATION V.22 MODEM TRANSFORMER	MODEL SPECIFICATION TTC–5032
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				

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.