Country

(AM)RA

10 50B

of origin

Date

REVISION -06/10/03 MP

REVISION A CHANGED DIMS. 03/10/08 MP

REVISION B ADDED REFLOW PROFILE & RoHS 11/01/07 YS

REVISION C REVISED TEMP **RATING** 06/08/15 MP

REV. Status MINIATURE ENCAPSULATED TELECOMMUNICATION V.32 MODEM TRANSFORMER

- A. Electrical Specifications (@ 25°C)
 - 1. Primary Impedance; 600Ω
 - 2. Secondary Impedance; 600Ω
 - 3. Insertion Loss: 2.0dB MAX @ 2KHz, 0dBm
 - 4. Frequency Response; ±0.25dB @ 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; 3.8H MIN @ 200Hz, 0.78Vrms, Lp Measured (1-3)
- 8. Leakage Inductance; 7mH MAX @ 1KHz, 0.78Vrms Measured (1-3) with 6 & 4 shorted
- 9. DC Resistance;

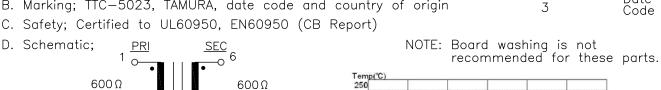
$$(1-3):115\Omega \pm 15\%$$

 $(6-4):115\Omega \pm 15\%$

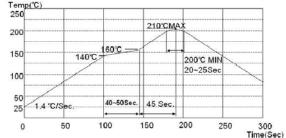
- 10. Turns Ratio; $(1-3):(6-4)=1:1.00 \pm 2\%$
- 11. Total Harmonic Distortion;

-76dB MAX @ 600Hz, -10dBm (-79dB TYP)

- 12. Dielectric Strength; 3000Vrms 1 minute @ Pri-Sec
- B. Marking; TTC-5023, TAMURA, date code and country of origin
- C. Safety; Certified to UL60950, EN60950 (CB Report)



- E. Operating Temperature: -20 to +85°C Storage Temperature: -20 to $+85^{\circ}$ C
- F. Suggested Reflow Profile (Terminal) Customer to determine proper profile based on actual conditions.

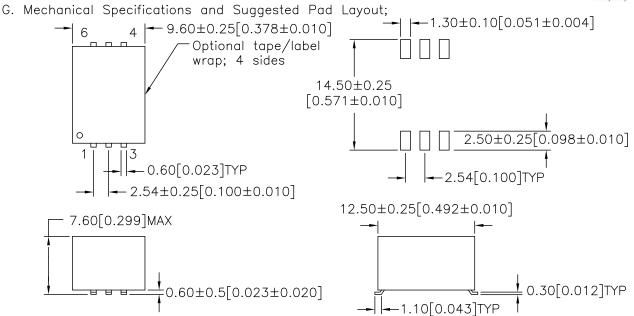


UL #E208555

White dot-

indicates

pin 1



PREPARED BY:

C. POPPE **ENGINEER:**

MATHI P.

SAFETY ENGINEER

P-A1-12866 C CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT

REV

DRAWING CONTROL NO.

MODEL DESCRIPTION TELECOMMUNICATION V.32 MODEM TRANSFORMER

TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536

MODEL SPECIFICATION TTC-5023 DIM: mm[In] SCL: 2/1

APPROVED: M. PITCHAI

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