

REV. Status

REVISION -
11/04/03 MPREVISION A
CHANGED DIMS
03/10/04 MPREVISION B
ADDED REFLOW
PROFILE & RoHS
11/13/07 YSREVISION C
REVISED TEMP
RATING
06/08/15 MP

MINIATURE ENCAPSULATED TELECOMMUNICATION V.22 MODEM TRANSFORMER

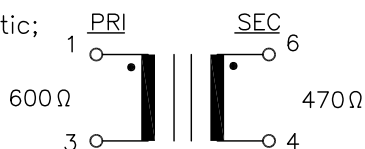
A. Electrical Specifications (@ 25°C)

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

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

C. Safety; Certified to UL60950, EN60950

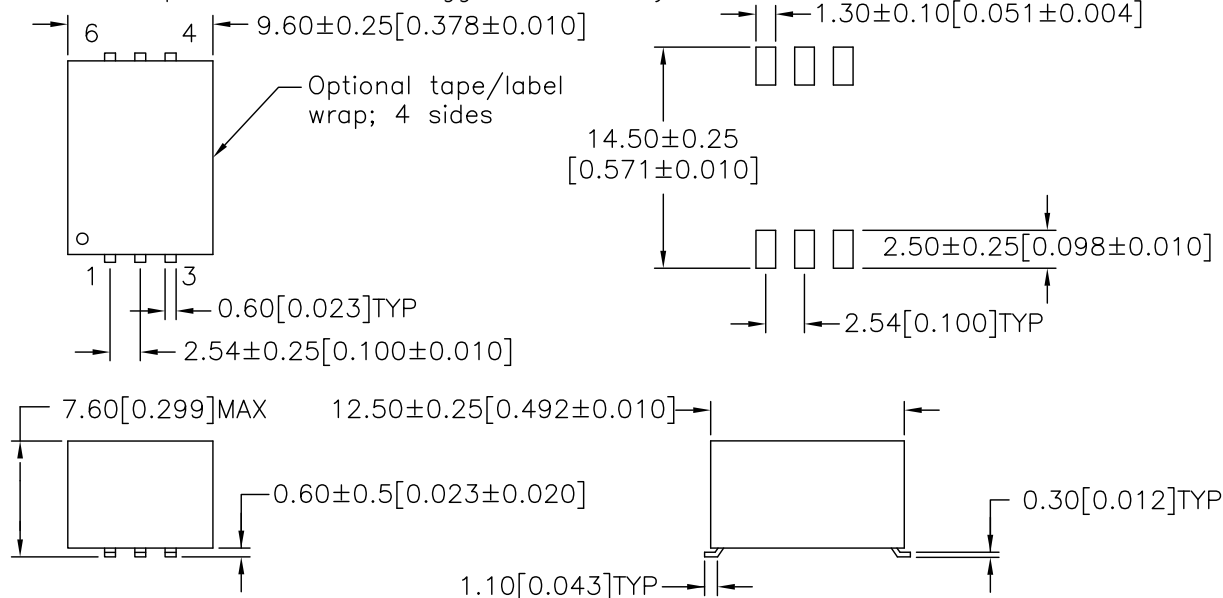
D. Schematic;



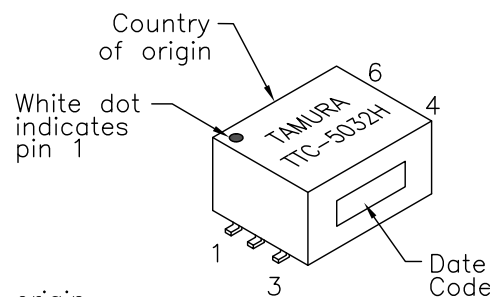
E. Operating Temperature: -20 to +85°C
Storage Temperature: -20 to +85°C

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

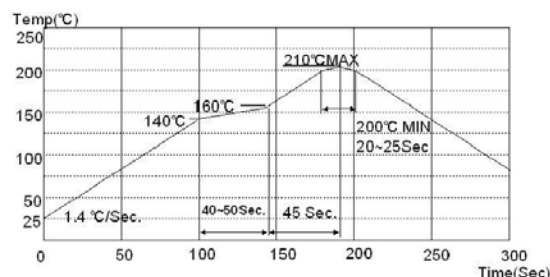
G. Mechanical Specifications and Suggested Pad Layout;



UL #E208555



NOTE: Board washing is not recommended for these parts.



PREPARED BY:

C. POPPE

ENGINEER:

MATHI P.

SAFETY ENGINEER

DRAWING CONTROL NO.

P-A1-13310

REV

C

MODEL DESCRIPTION
TELECOMMUNICATION V.22
MODEM TRANSFORMER

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

MODEL SPECIFICATION

TTC-5032

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

APPROVED:

M. PITCHAI

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MODEL NUMBER

TTC-5032