

REV. Status

REVISION - 06/10/03 MP
REVISION A CHANGED DIMS 03/10/04 MP
REVISION B ADDED REFLOW PROFILE & RoHS 11/01/07 YS
REVISION C REVISED TEMP RATING 06/08/15 MP
REVISION D CHANGED SCHEMATIC-SEC TO 330 ohms 06/02/16 MP

MINIATURE ENCAPSULATED TELECOMMUNICATION V.90 MODEM TRANSFORMER

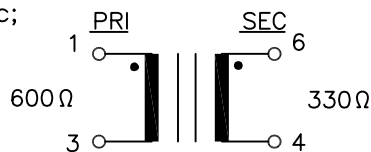
A. Electrical Specifications (@ 25°C)

1. Primary Impedance; 600Ω
2. Secondary Impedance; 330Ω
3. Insertion Loss: 3.0dB MAX @ 2KHz, 0dBm
4. Frequency Response; ±0.20dB @ 200Hz to 4KHz, 0dBm
5. Longitudinal Balance;
80dB MIN @ 200Hz to 4KHz, 0dBm
6. Return Loss; 16dB MIN @ 200Hz to 4KHz, 0dBm
7. Primary Inductance; 5.0H 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):150Ω ±15%
(6-4):150Ω ±15%
10. Turns Ratio; (1-3):(6-4)=1:1.00 ±2%
11. Total Harmonic Distortion;
-82dB MAX @ 600Hz, -10dBm (-85dB TYP)
12. Dielectric Strength; 1875Vrms 1 second @ Pri-Sec

B. Marking; TTC-5024, TAMURA, date code and country of origin

C. Safety; Certified to UL60950, EN60950

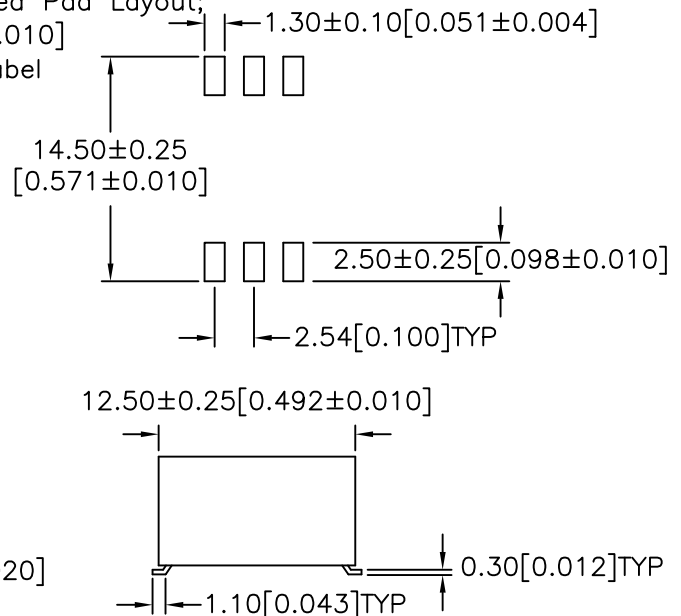
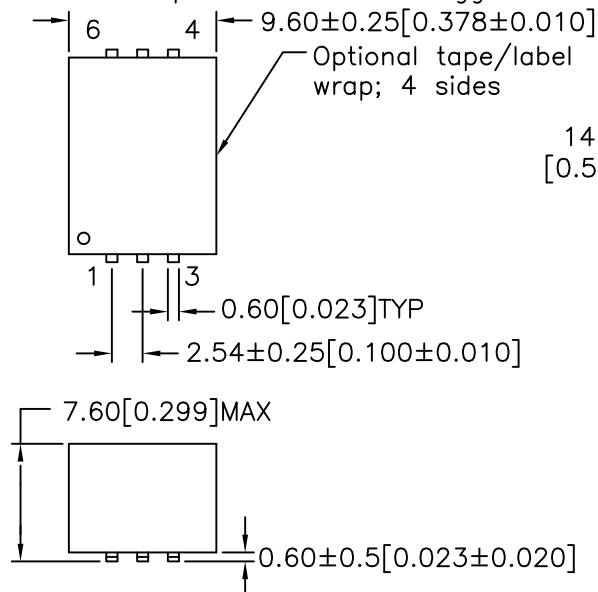
D. Schematic;



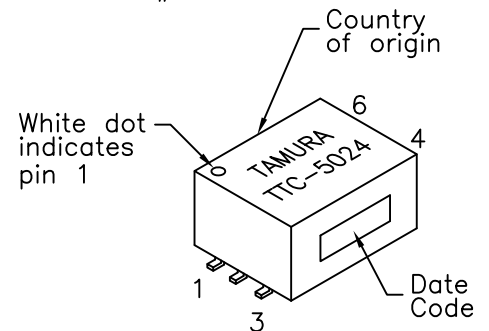
E. Operating Temperature: -20 to +85°C
Storage Temperature: -20 to +85°C

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

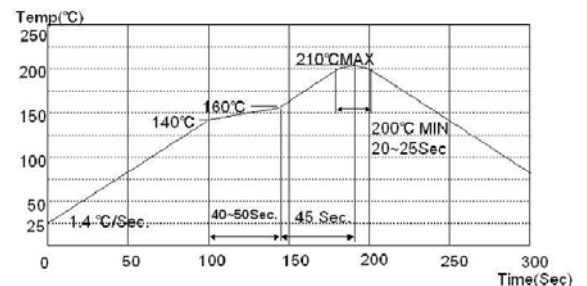
G. Mechanical Specifications and Suggested Pad Layout;



UL #E208555



NOTE: Board washing is not recommended for these parts.



PREPARED BY:
C. POPPE

ENGINEER: MATHI P.	DRAWING CONTROL NO. P-A1-12880	REV D	MODEL DESCRIPTION TELECOMMUNICATION V.32 MODEM TRANSFORMER	MODEL SPECIFICATION TTC-5024
SAFETY ENGINEER			TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536	
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APPROVED: M. PITCHAI				
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MODEL NUMBER

TTC-5024