

REV. Status

MINIATURE ENCAPSULATED TELECOMMUNICATION V.32 MODEM TRANSFORMER

- 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

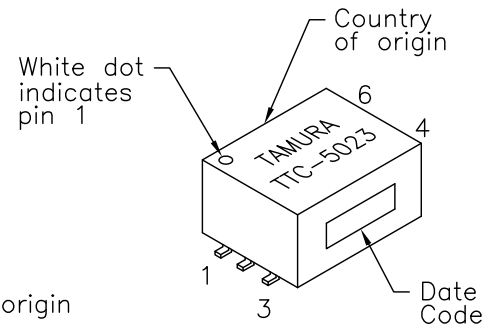
- A. Electrical Specifications (@ 25° C)
1. Primary Impedance; 600Ω
  2. Secondary Impedance; 600Ω
  3. Insertion Loss: 2.0dB MAX @ 2KHz, 0dBm
  4. Frequency Response; ±0.25dB @ 200Hz to 4KHz, 0dBm
  5. Longitudinal Balance; 80dB MIN @ 200Hz to 4KHz, 0dBm
  6. Return Loss; 14dB MIN @ 200Hz to 4KHz, 0dBm
  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):115Ω ±15% (6-4):115Ω ±15%
  10. Turns Ratio; (1-3):(6-4)=1:1.00 ±2%
  11. Total Harmonic Distortion; -76dB MAX @ 600Hz, -10dBm (-79dB TYP)
  12. Dielectric Strength; 3000Vrms 1 minute @ Pri-Sec



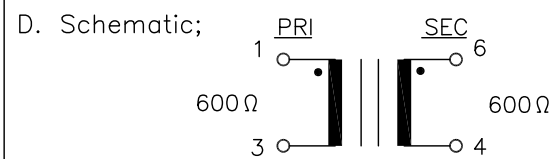
MODEL NUMBER  
TTC-5023



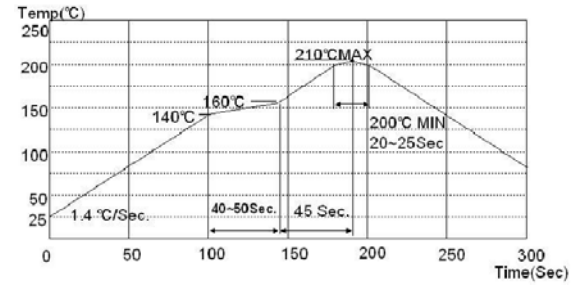
UL #E208555



- B. Marking; TTC-5023, TAMURA, date code and country of origin  
 C. Safety; Certified to UL60950, EN60950 (CB Report)

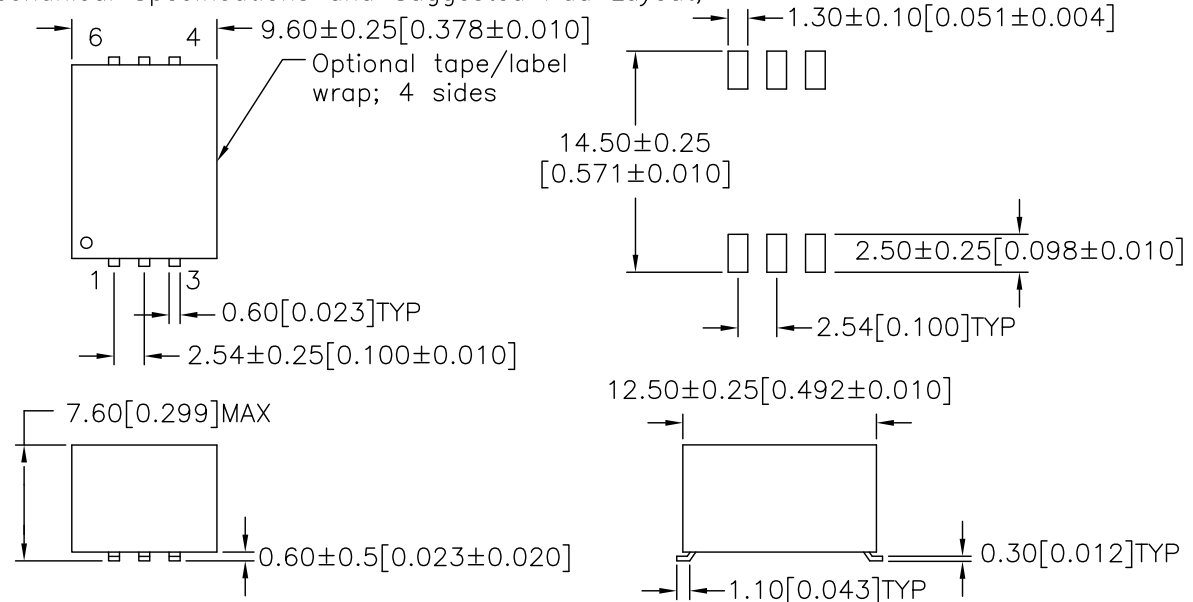


NOTE: Board washing is not recommended for these parts.



- 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-A1-12866	REV C	MODEL DESCRIPTION TELECOMMUNICATION V.32 MODEM TRANSFORMER	MODEL SPECIFICATION TTC-5023
SAFETY ENGINEER			TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536	
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE			DIM: mm[In]	SCL: 2/1 SH: 1 OF 1

APPROVED:  
M. PITCHAI

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