

REV. Status

REVISION –
06/10/03 MPREVISION A
CHANGED DIMS.
03/10/08 MPREVISION B
ADDED REFLOW
PROFILE & RoHS
11/01/07 YSREVISION C
REVISED TEMP
RATING
06/08/15 MP

MINIATURE ENCAPSULATED TELECOMMUNICATION V.32 MODEM TRANSFORMER

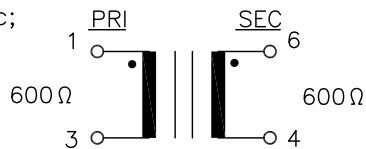
A. Electrical Specifications (@ 25° C)

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):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

B. Marking; TTC–5023, TAMURA, date code and country of origin

C. Safety; Certified to UL60950, EN60950 (CB Report)

D. Schematic;



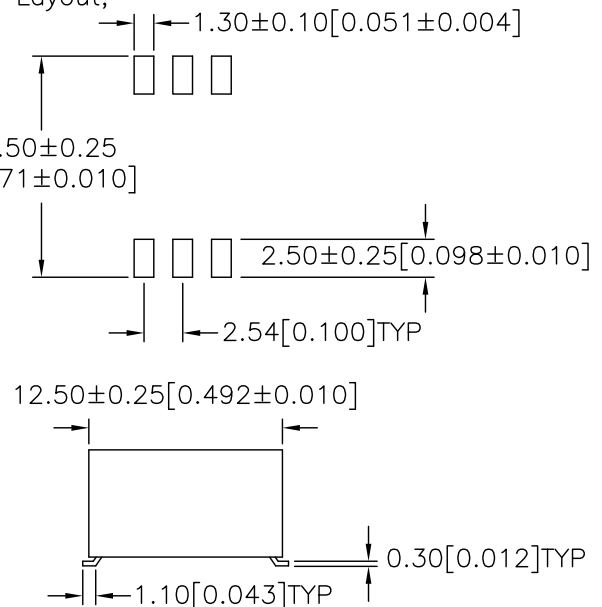
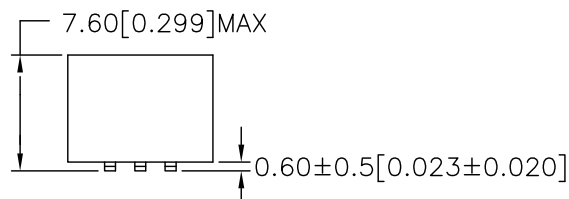
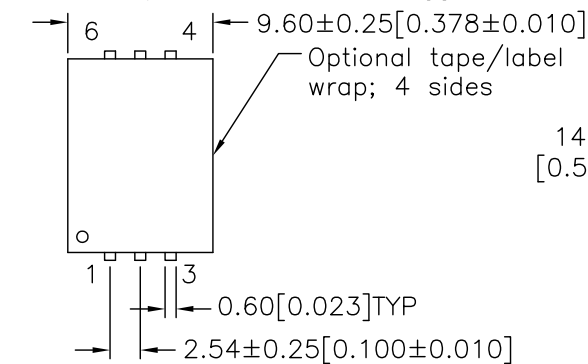
E. Operating Temperature: –20 to +85°C

Storage Temperature: –20 to +85°C

F. Suggested Reflow Profile (Terminal)

Customer to determine proper profile based on actual conditions.

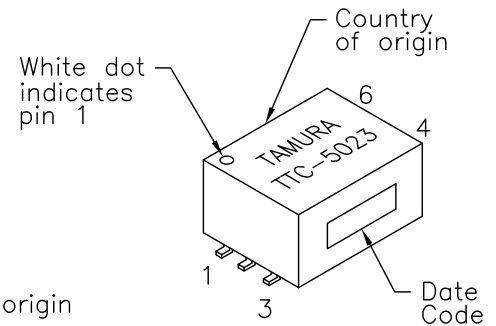
G. Mechanical Specifications and Suggested Pad Layout;



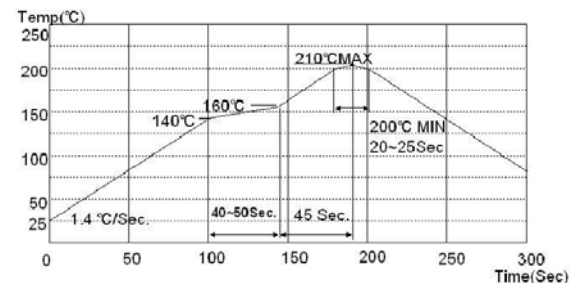
UL #E208555

MODEL NUMBER

TTC–5023



NOTE: Board washing is not recommended for these parts.



PREPARED BY:

C. POPPE

ENGINEER:

MATHI P.

SAFETY ENGINEER

DRAWING CONTROL NO.

P–A1–12866

REV

C

MODEL DESCRIPTION
TELECOMMUNICATION V.32
MODEM TRANSFORMERTAMURA 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 SH: 1 OF 1

APPROVED:

M. PITCHAI

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