



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MINIATURE ENCAPSULATED TELECOMMUNICATION V.90 MODEM TRANSFORMER

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

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

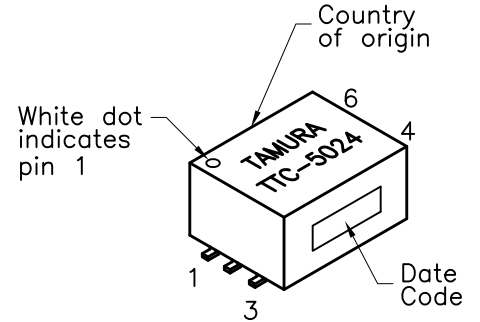


MODEL NUMBER

TTC-5024



UL #E208555



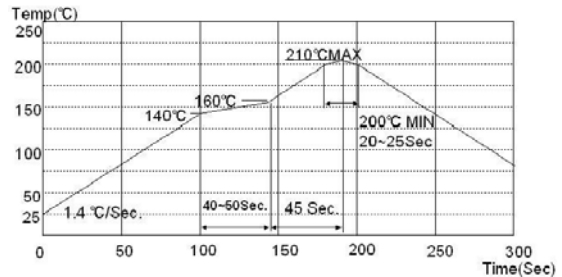
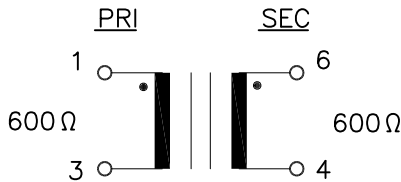
B. Marking; TTC-5024, TAMURA, date code and country of origin

C. Safety; Certified to UL60950, EN60950

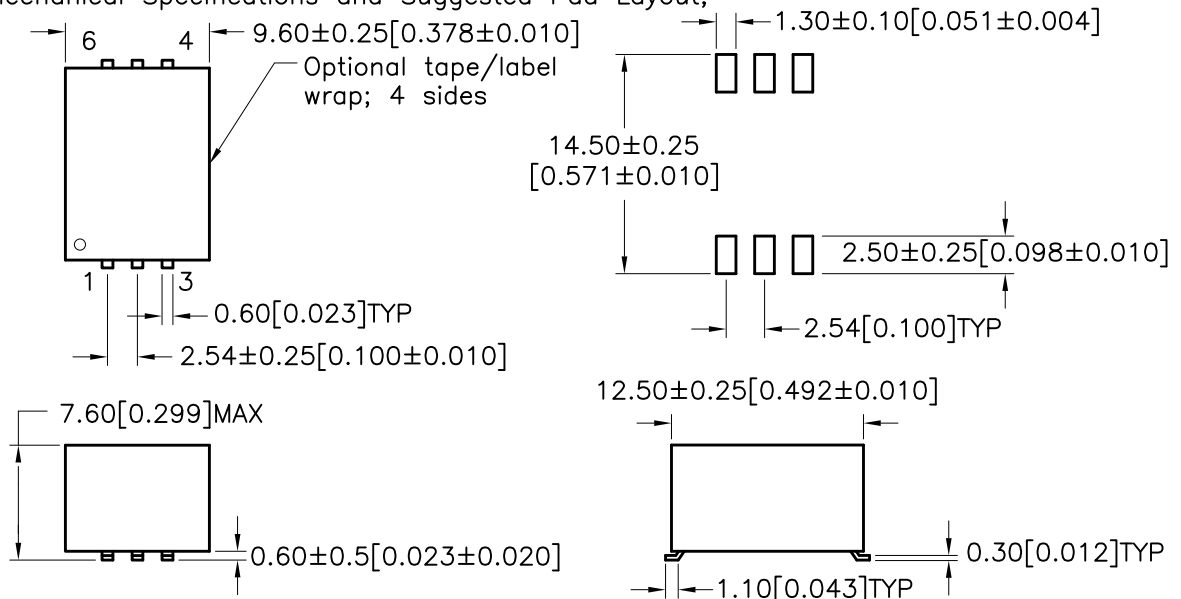
D. Schematic;

E. Suggested Reflow Profile (Terminal)

Customer to determine proper profile based on actual conditions



F. Mechanical Specifications and Suggested Pad Layout;



PREPARED BY:

K. BRENNAN

ENGINEER:

M. PITCHAI

SAFETY ENGINEER

B. OCONNELL

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO. P-A1-12880
ACAD\TTC\A1128801.DWG

REV B

TELECOMMUNICATION V.32
MODEM TRANSFORMER

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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TTC-5024

MODEL SPECIFICATION

DIM: mm(In) SCL: 2/1 SH: 1 OF 1

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