

REV. Status

REVISION -
04/30/04 MP

REVISION A
ADDED REFLOW
PROFILE & RoHS
11/13/07 YS

REVISION B
REVISED TEMP
RATING
06/09/15 MP

MINIATURE ENCAPSULATED TELECOMMUNICATION HIGH IMPEDANCE TRANSFORMER

A. Electrical Specifications (@ 25° C)

1. Primary Impedance; 10kΩ
2. Secondary Impedance; 10kΩ
3. Primary Inductance; 6.5H MIN @ 200Hz, 10mVrms, Lp Measured (1-3)
4. Leakage Inductance; 22mH MAX @ 1kHz, 10mVrms Measured (1-3) with 6 & 4 shorted
5. DC Resistance; (1-3):485Ω ±15% (6-4):485Ω ±15%
6. Turns Ratio; (1-3):(6-4)=1:1.00 ±2%
7. Shunt Loss; 22kΩ MIN @ 200Hz, 10mVrms, Rp Measured (1-3)
8. Dielectric Strength; 1875Vrms 1 second @ Pri-Sec

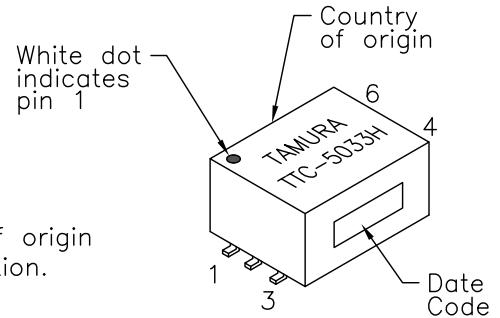


UL #E208555

MODEL NUMBER

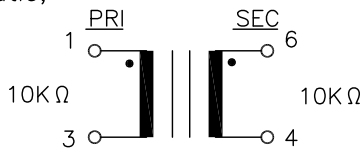
TTC-5033

B. Marking; TTC-5033H, TAMURA, date code and country of origin "H" designates Safety Agency Approved family classification.



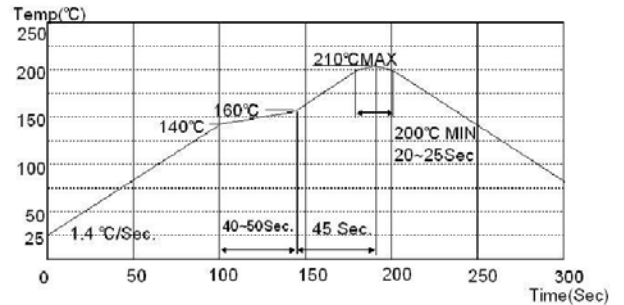
C. Safety; Certified to UL60950, EN60950

D. Schematic;



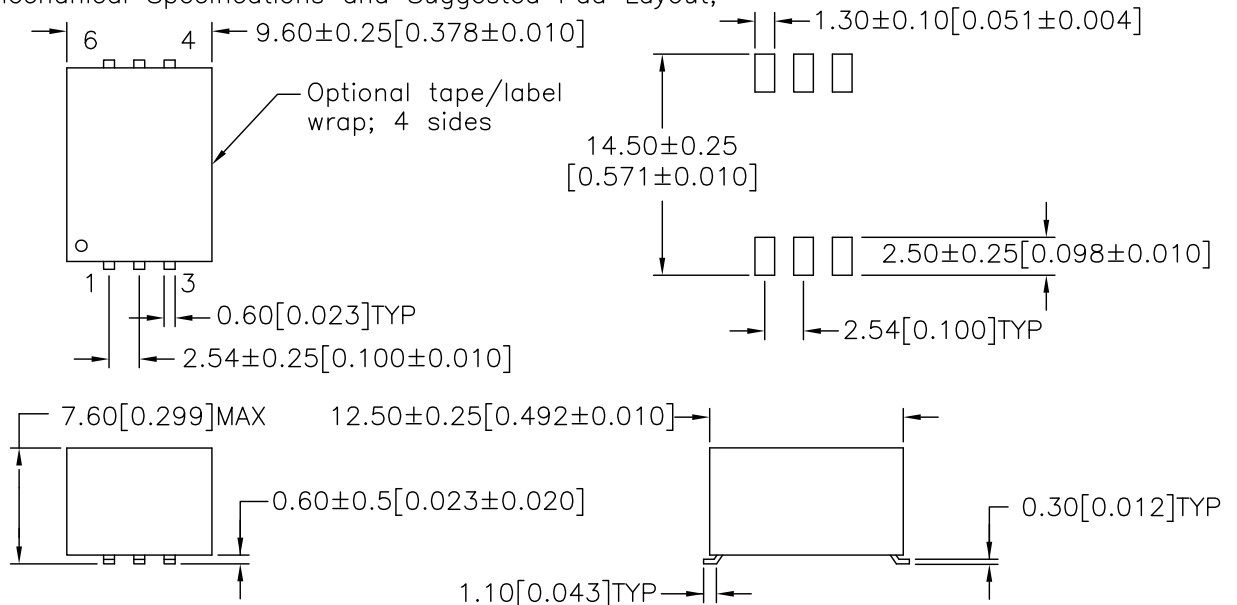
NOTE: Board washing is not recommended for these parts.

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.

SAFETY ENGINEER

DRAWING CONTROL NO.
P-A1-13339

REV
B

MODEL DESCRIPTION
TELECOMMUNICATION
TRANSFORMER

MODEL SPECIFICATION
TTC-5033

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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

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

APPROVED:

M. PITCHAI

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.