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

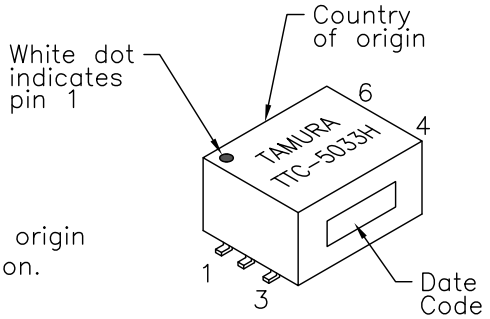
MINIATURE ENCAPSULATED TELECOMMUNICATION HIGH IMPEDANCE TRANSFORMER

MODEL NUMBER TTC-5033

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

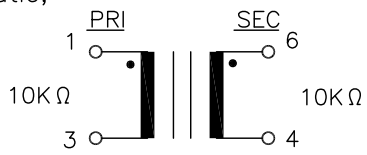
UL #E208555



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

C. Safety; Certified to UL60950, EN60950

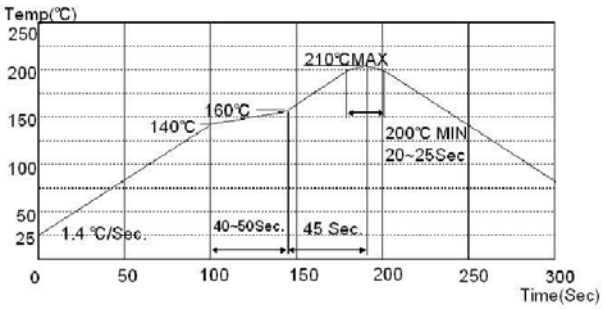
D. Schematic;



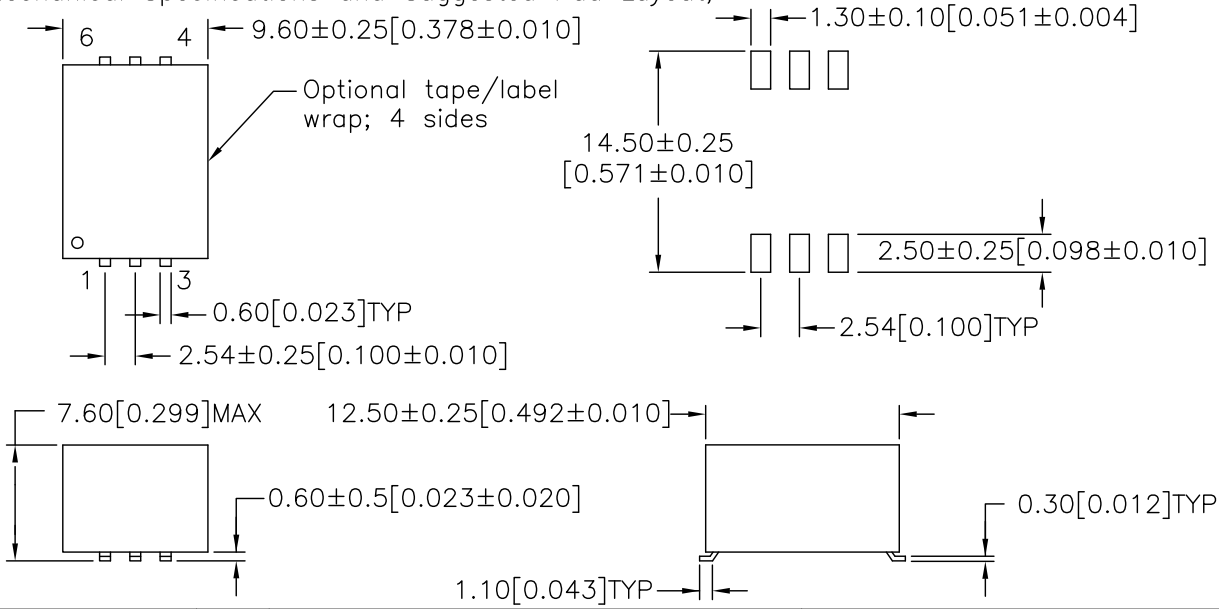
NOTE: Board washing is not recommended for these parts.

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.	DRAWING CONTROL NO. P–A1–13339	REV B	MODEL DESCRIPTION TELECOMMUNICATION TRANSFORMER	MODEL SPECIFICATION TTC–5033
SAFETY ENGINEER	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
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