REV. Status
REVISION – 06/10/03 MP
REVISION A ADDED "H" TO PART NUMBER 08/27/03 MP
REVISION B CHANGED DIMENSIONS 03/10/04 MP
REVISION C ADDED ROHS & REFLOW NOTE 05/15/07 MP
REVISION D REPLACED REFLOW NOTE WITH GRAPH 11/13/07 MP
REVISION E REVISED TEMP RATING 06/08/15 MP

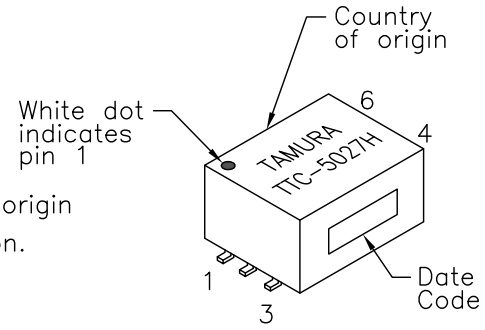
MINIATURE ENCAPSULATED TELECOMMUNICATION HIGH IMPEDANCE TRANSFORMER

MODEL NUMBER TTC-5027

A. Electrical Specifications (@ 25° C)

1. Primary Impedance; 30kΩ
2. Secondary Impedance; 30kΩ
3. Primary Inductance; 30H MIN @ 200Hz, 10mVrms, Lp Measured (1–3)
4. Leakage Inductance; 80mH MAX @ 1kHz, 10mVrms, (67mH TYP) Measured (1–3) with 6 & 4 shorted
5. DC Resistance; (1–3):165Ω ±15% (6–4):165Ω ±15%
6. Turns Ratio; (1–3):(6–4)=1:1.00 ±2%
7. Core Loss; 110kΩ MIN @ 200Hz, 10mVrms, Rp Measured (1–3)
8. Dielectric Strength; 1875Vrms 1 second @ Pri–Sec

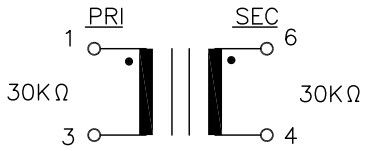
UL #E208555



B. Marking; TTC–5027H, TAMURA, date code and country of origin "H" designates Safety Agency approved family classification.

C. Safety; Certified to UL60950, EN60950

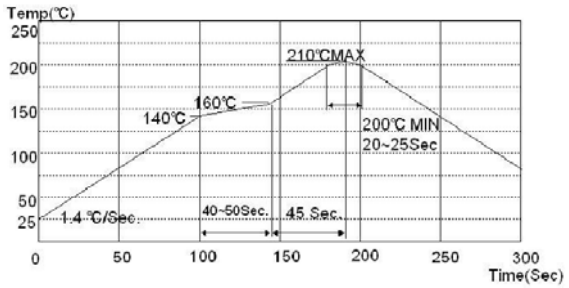
D. Schematic;



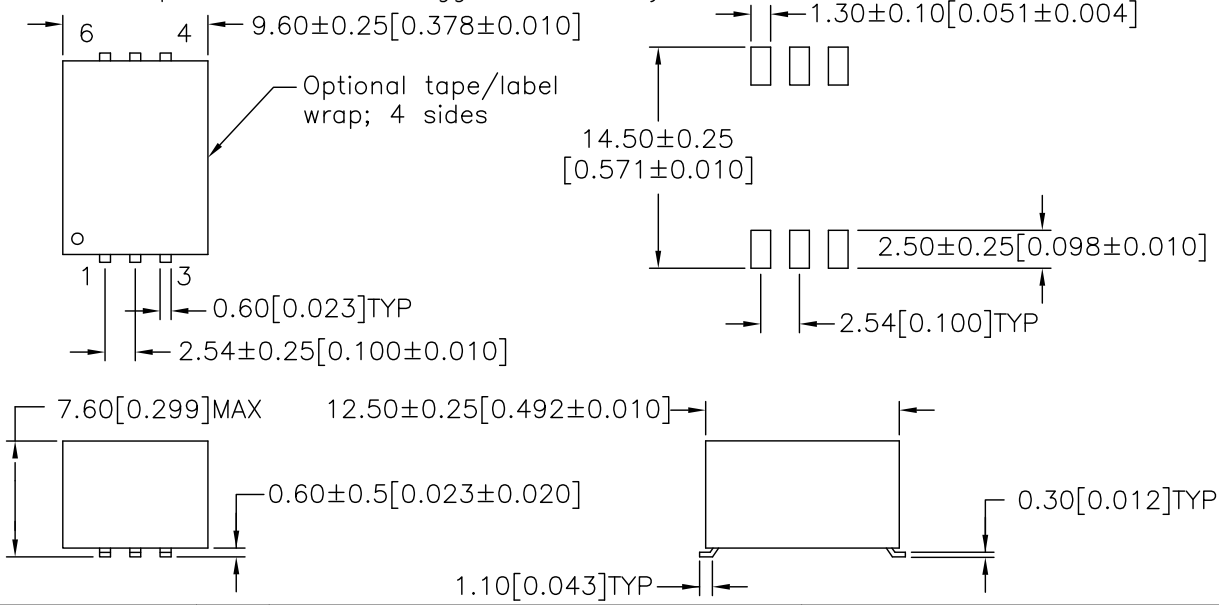
NOTE: Board washing is not recommended for these parts.

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–A1–13174	REV E	MODEL DESCRIPTION TELECOMMUNICATION MODEM TRANSFORMER	MODEL SPECIFICATION TTC–5027
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
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.			