

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

A. Electrical Specifications (@ 25°C)

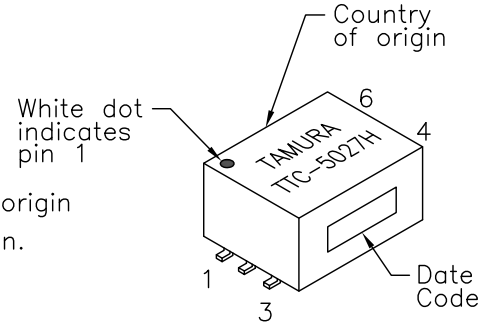
1. Primary Impedance; 30kΩ
2. Secondary Impedance; 30kΩ
3. Primary Inductance; 30H MIN @ 200Hz, 10mVrms, Lp
Measured (1-3)
4. Leakage Inductance; 80mH MAX @ 1kHz, 10mVrms, (67mH TYP)
Measured (1-3) with 6 & 4 shorted
5. DC Resistance;
(1-3):165Ω ±15%
(6-4):165Ω ±15%
6. Turns Ratio; (1-3):(6-4)=1:1.00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



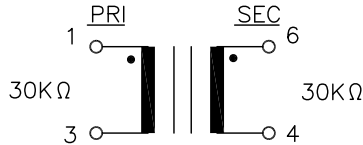
MODEL NUMBER
TTC-5027



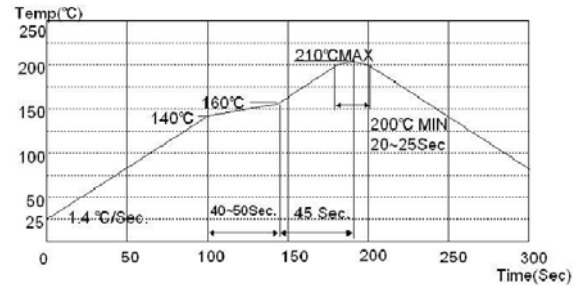
UL #E208555



- 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;



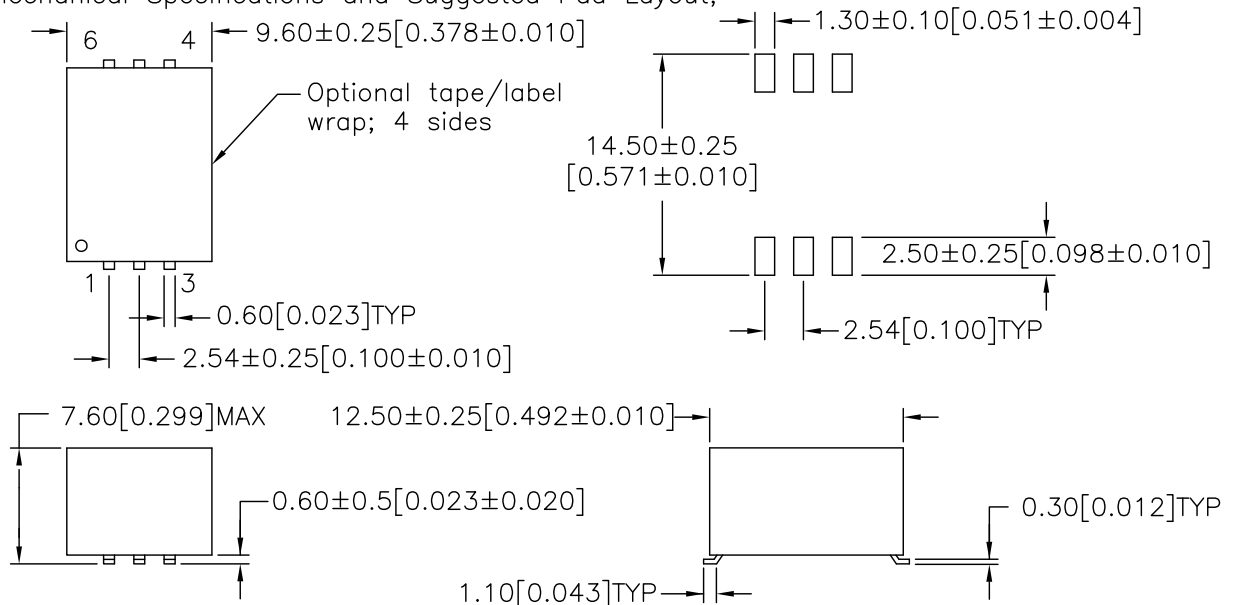
NOTE: Board washing is not recommended for these parts.



- 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			TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536	
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APPROVED: M. PITCHAI			SH: 1 OF 1	

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