

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)

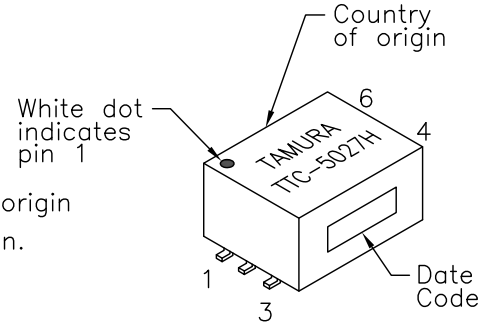
1. Primary Impedance; 30kΩ
2. Secondary Impedance; 30kΩ
3. Primary Inductance; 30H MIN @ 200Hz, 10mVrms, Lp  
Measured (1-3)
4. Leakage Inductance; 80mH MAX @ 1kHz, 10mVrms, (67mH TYP)  
Measured (1-3) with 6 & 4 shorted
5. DC Resistance;  
(1-3):165Ω ±15%  
(6-4):165Ω ±15%
6. Turns Ratio; (1-3):(6-4)=1:1.00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



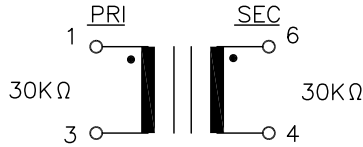
MODEL NUMBER  
**TTC-5027**



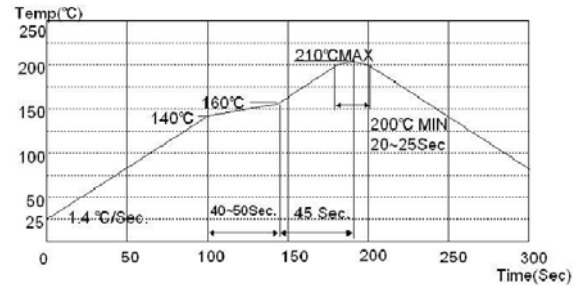
UL #E208555



- 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;



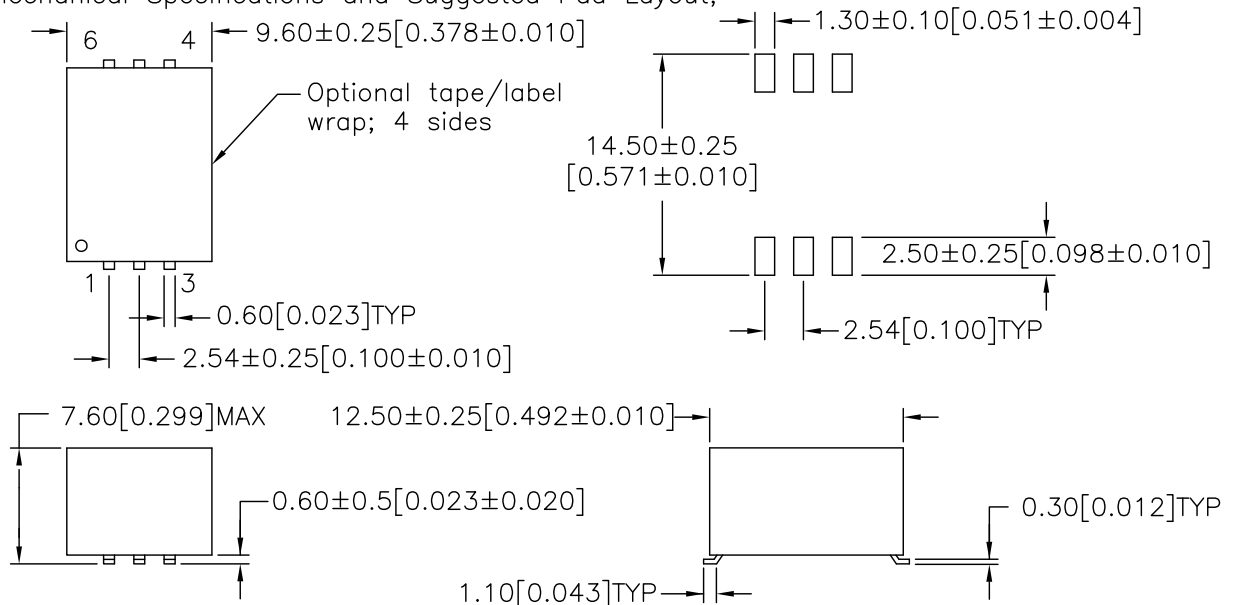
NOTE: Board washing is not recommended for these parts.



- 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 <b>TTC-5027</b>
SAFETY ENGINEER			<b>TAMURA CORPORATION OF AMERICA</b> 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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