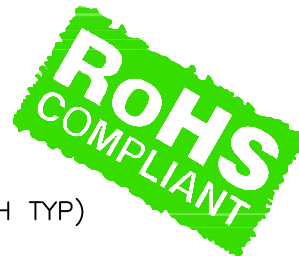




MINIATURE ENCAPSULATED TELECOMMUNICATION HIGH IMPEDANCE TRANSFORMER

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):1650Ω ±15%  
(6-4):1650Ω ±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

MODEL NUMBER

TTC-5027

REV. Status

REVISION -  
06/10/03 MP

REVISION A  
ADDED "H"  
TO PART  
NUMBER  
08/27/03 MP

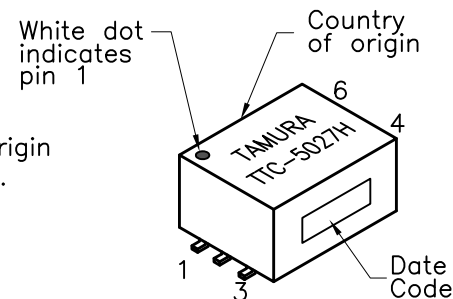
REVISION B  
CHANGED  
DIMENSIONS  
03/10/04 MP

REVISION C  
ADDED ROHS &  
REFLOW NOTE  
05/15/07 MP

REVISION D  
REPLACED  
REFLOW NOTE  
WITH GRAPH  
11/13/07 MP

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

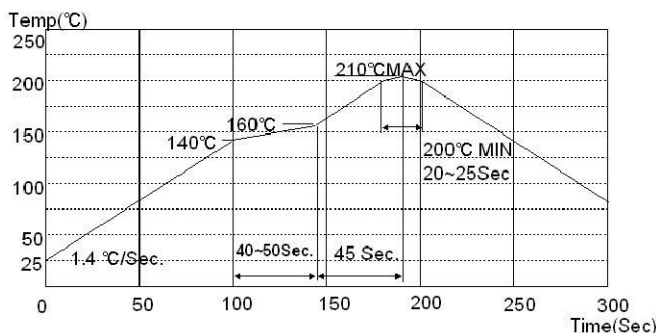
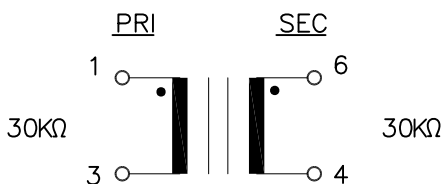
C. Safety; Certified to UL60950, EN60950



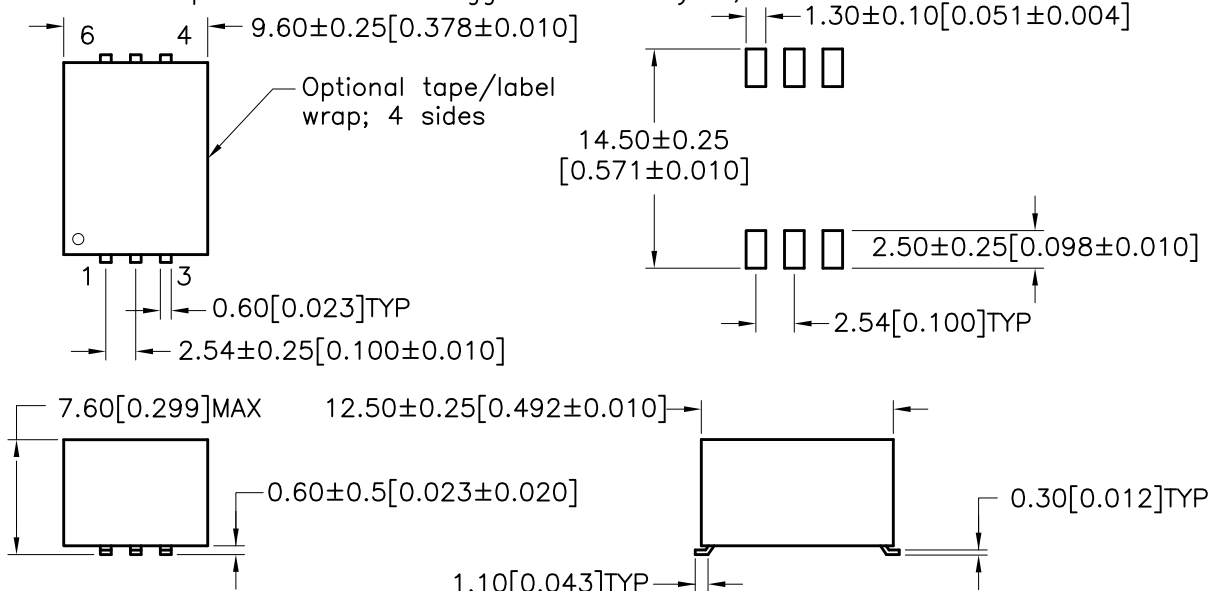
D. Schematic;

E. Suggested Reflow Profile (Terminal)

Customer to determine proper profile based on actual conditions.



E. Mechanical Specifications and Suggested Pad Layout;



PREPARED BY:  
K. BRENNAN

ENGINEER:  
M. PITCHAI

SAFETY ENGINEER  
B. OCONNELL

APPROVED:  
Y. SEKIGUCHI

DWG CONTROL NO.  
P-A1-13174  
ACAD\TTC\A1131741.DWG

REV  
D

TELECOMMUNICATION  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(951) 699-1270 FAX 9516769482

TTC-5027

MODEL SPECIFICATION

DIM: mm(In) SCL: 1/1 SH: 1 OF 1

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