

## REV. Status

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

## MINIATURE ENCAPSULATED TELECOMMUNICATION HIGH IMPEDANCE TRANSFORMER

## A. Electrical Specifications (@ 25°C)

1. Primary Impedance; 30k $\Omega$
2. Secondary Impedance; 30k $\Omega$
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):165 $\Omega$   $\pm$ 15%  
(6–4):165 $\Omega$   $\pm$ 15%
6. Turns Ratio; (1–3):(6–4)=1:1.00  $\pm$ 2%
7. Core Loss; 110k $\Omega$  MIN @ 200Hz, 10mVrms, Rp  
Measured (1–3)
8. Dielectric Strength; 1875Vrms 1 second @ Pri–Sec

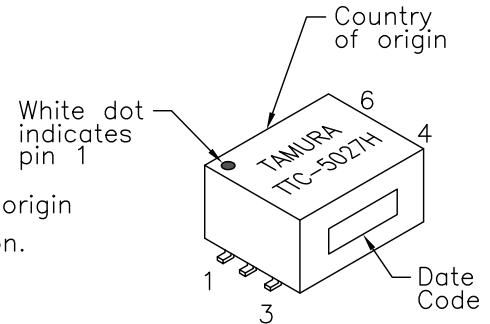


MODEL NUMBER

TTC–5027

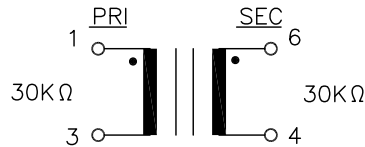


UL #E208555

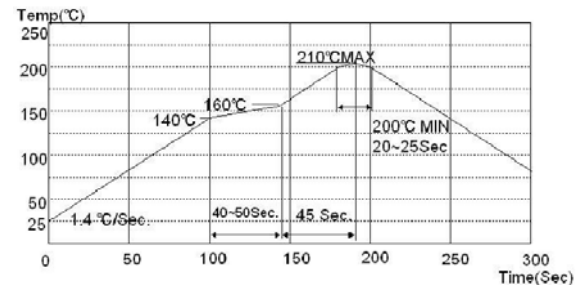
B. Marking; TTC–5027H, TAMURA, date code and country of origin  
"H" designates Safety Agency approved family classification.

C. Safety; Certified to UL60950, EN60950

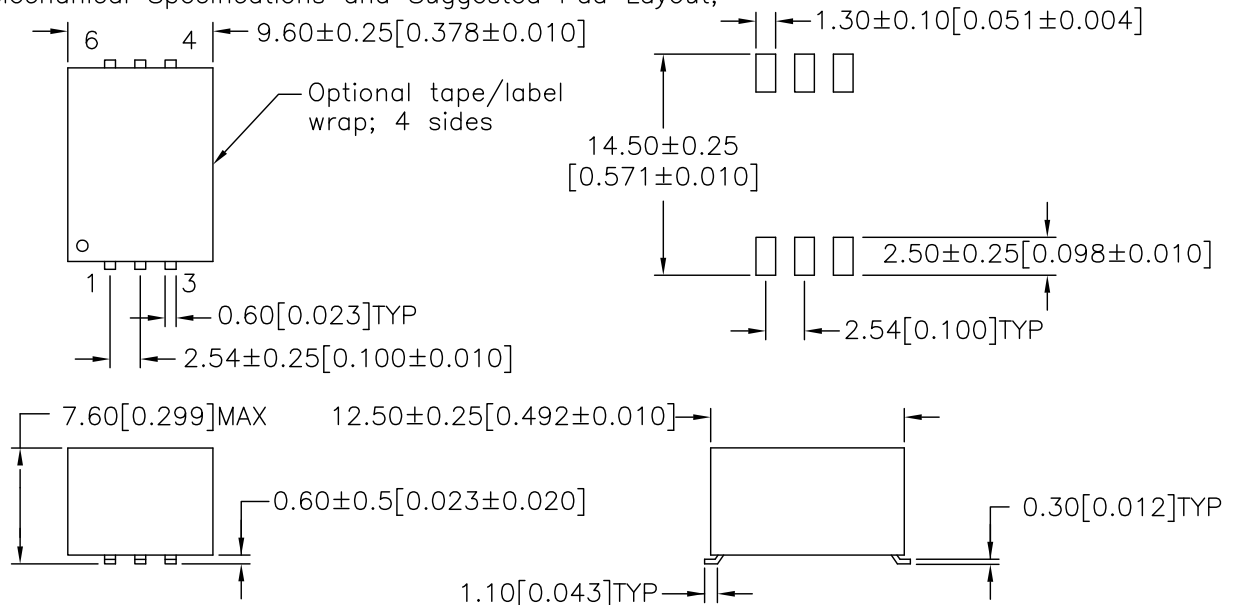
D. Schematic;



NOTE: Board washing is not recommended for these parts.

E. Operating Temperature: –20 to +85°C  
Storage Temperature: –20 to +85°CF. 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.

SAFETY ENGINEER

DRAWING CONTROL NO.

P–A1–13174

REV

E

MODEL DESCRIPTION

TELECOMMUNICATION  
MODEM TRANSFORMER

MODEL SPECIFICATION

TTC–5027

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APPROVED:

M. PITCHAI

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