

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

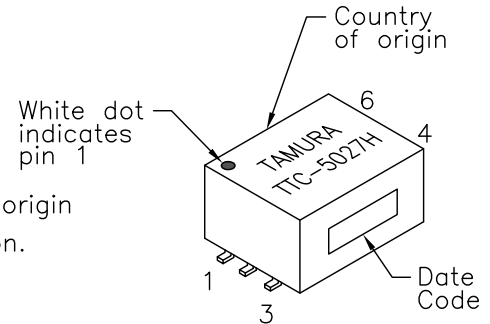


MODEL NUMBER

TTC-5027

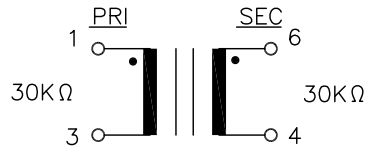


UL #E208555

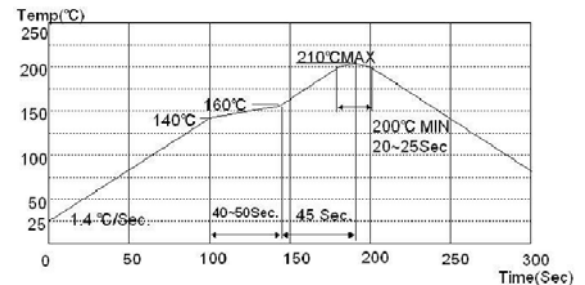
B. Marking; TTC-5027H, TAMURA, date code and country of origin
"H" designates Safety Agency approved family classification.

C. Safety; Certified to UL60950, EN60950

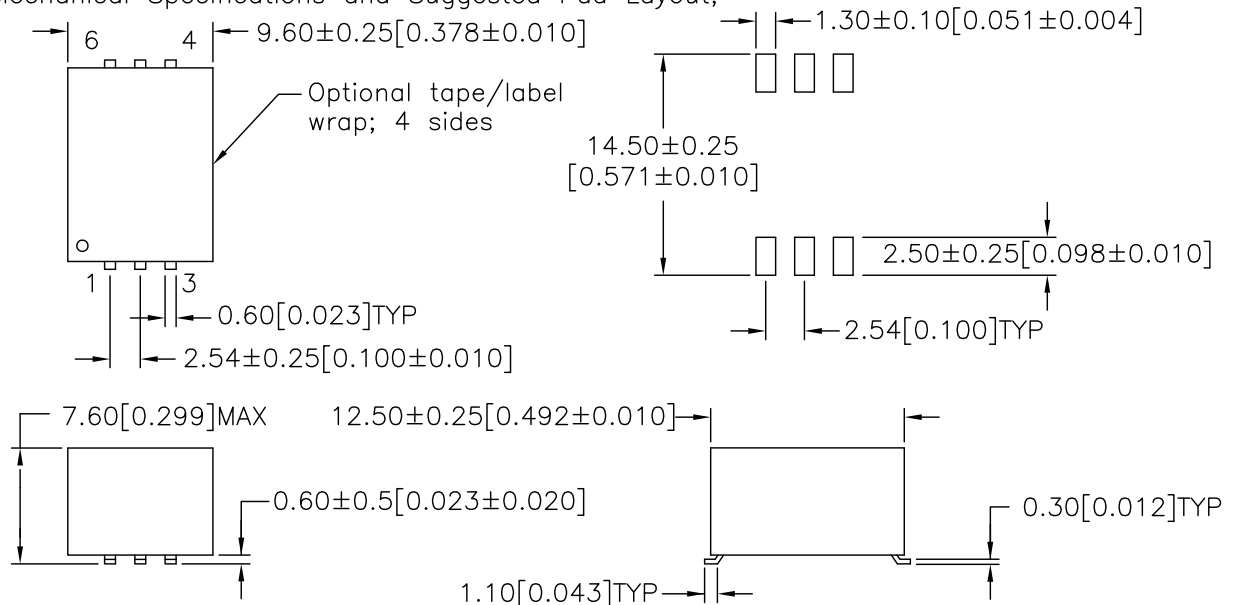
D. Schematic;



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

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.