

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

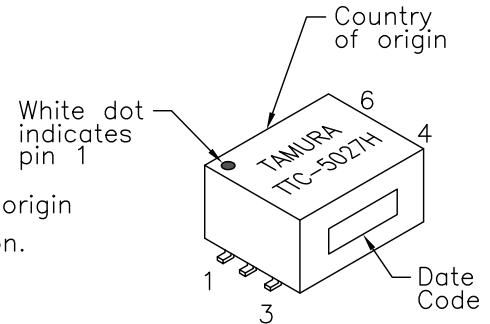


MODEL NUMBER

TTC-5027

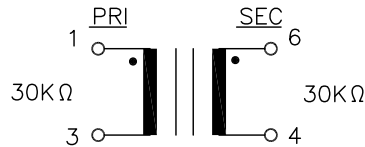
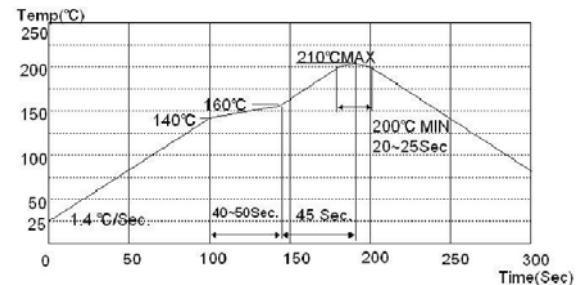


UL #E208555

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

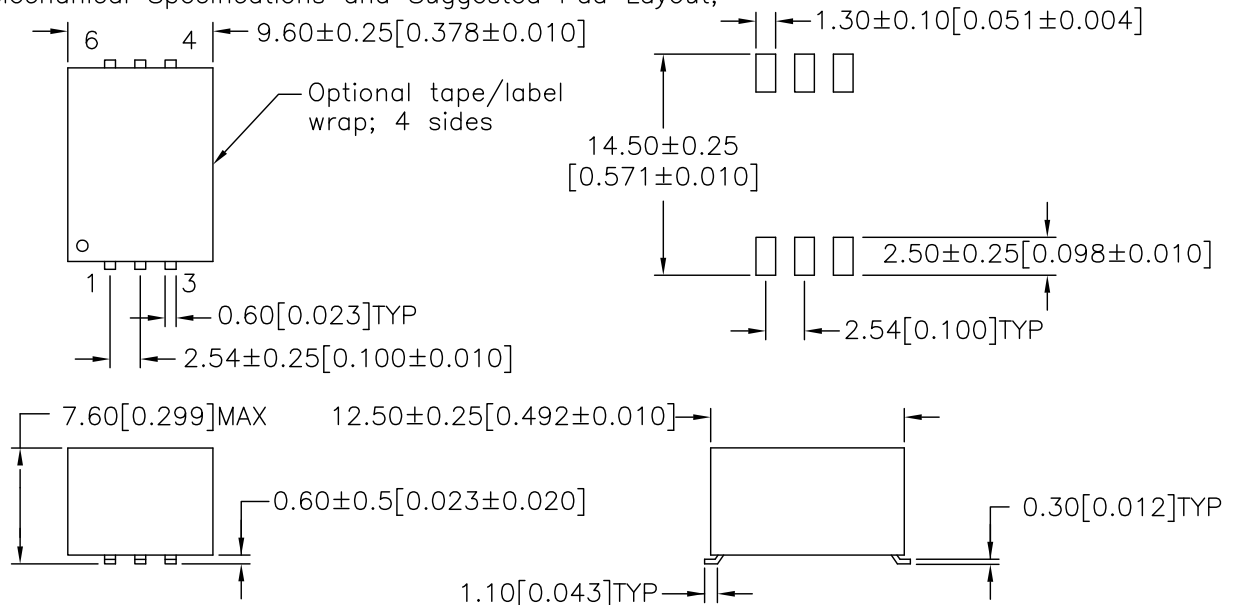
C. Safety; Certified to UL60950, EN60950

D. Schematic;

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.

NOTE: Board washing is not recommended for these parts.

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:

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