

REV. Status

REVISION –  
03/08/04 MP

REVISION A  
ADDED RoHS.  
ADDED TOLS TO  
PIN DIMS  
10/17/06 MP

REVISION B  
ADDED OP. TEMP.  
UPDATED SAFETY  
12/17/10 MP

TELECOMMUNICATION V.90 MODEM TRANSFORMER

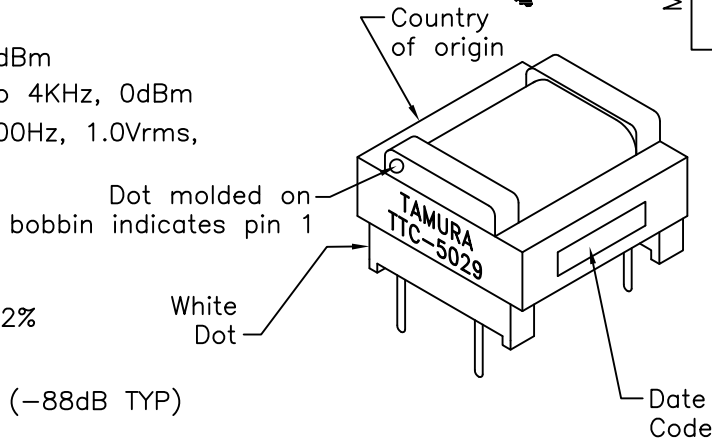
A. Electrical Specifications (@ 25° C)

1. Primary Impedance; 600Ω
2. Secondary Impedance; 600Ω
3. Insertion Loss: 1.0dB MAX @ 1KHz, 0dBm
4. Frequency Response; ±0.20dB @ 200Hz to 4KHz, 0dBm
5. Longitudinal Balance;  
60dB MIN @ 200Hz to 4KHz, 0dBm
6. Return Loss; 20dB MIN @ 200Hz to 4KHz, 0dBm
7. Primary Inductance; 9.5H TYP @ 300Hz, 1.0Vrms,  
Lp (parallel) Measured (1-3)
8. DC Resistance;  
(1-3) : 40Ω ±15%  
(6-4) : 40Ω ±15%
9. Turns Ratio; (1-3):(6-4)=1:1.00 ±2%
10. Total Harmonic Distortion;  
-80dB MAX @ 600Hz, -10dBm (-88dB TYP)
11. Dielectric Strength; 1875Vrms 1 second @ Pri-Sec



MODEL NUMBER

TTC-5029

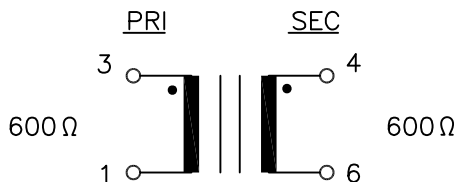


B. Operating Temperature; 0° C to 70° C

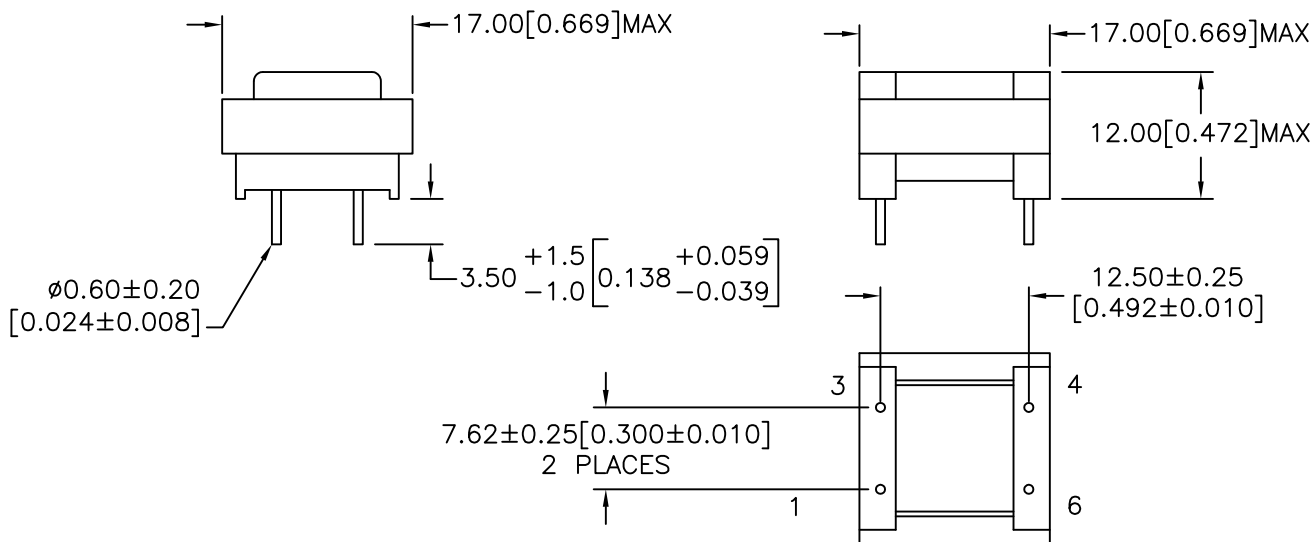
C. Marking; TTC-5029, TAMURA, date code and country of origin

D. Safety; Constructed to meet IT equipment requirements for basic insulation for isolation of TNV-2 voltage levels during normal operating conditions.

E. Schematic;



F. Mechanical Specifications and Suggested Pad Layout;



PREPARED BY:

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ENGINEER:

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SAFETY ENGINEER

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APPROVED:

P. BRUNE

DRAWING CONTROL NO.  
P-A1-13302  
ACAD\XFMR\TTC\A1133021.DWG

REV  
B

MODEL DESCRIPTION  
TELECOMMUNICATION V.90  
MODEM TRANSFORMER

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MODEL SPECIFICATION

TTC-5029

DIM: mm [In] SCL: 1/1 SH: 1 OF 1

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