TELECOMMUNICATION WET COUPLING TRANSFORMER DESIGNED TO OPERATE FROM −20DBm TO +4DBm WITH 0 TO 100mADC IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROX. 600Ω WITH 470Ω TO 600Ω LOAD ON SECONDARY:
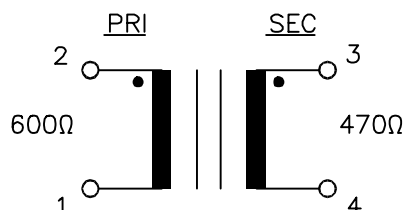
MODEL NUMBER TTC-264M

E208555

A. Electrical Specifications (@ 25° C)

1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 470Ω
3. Operating Level; −20dBm to +4dBm
4. Insertion Loss;
   2.5dB MAX @ 1KHz, 0dBm, DC 30mA
5. Frequency Response (relative to 1 KHz)
   ±4.0dB 300Hz to 600Hz @ 0dBm
   ±1.0dB 600Hz to 3.5KHz @ 0dBm
6. Longitudinal Balance;
   60dB MIN @ 60Hz to 1KHz
   46dB MIN @ 1KHz to 4KHz
7. DC Resistance;
   (1−2)= 108Ω +10%, −20%
   (3−4)= 120Ω ±10 %
8. Turns Ratio; (1−2):(4−3) = 1:1.00±2%
9. Dielectric Strength;
   4000Vrms 1 second Pri to Sec
10. Total Harmonic Distortion:
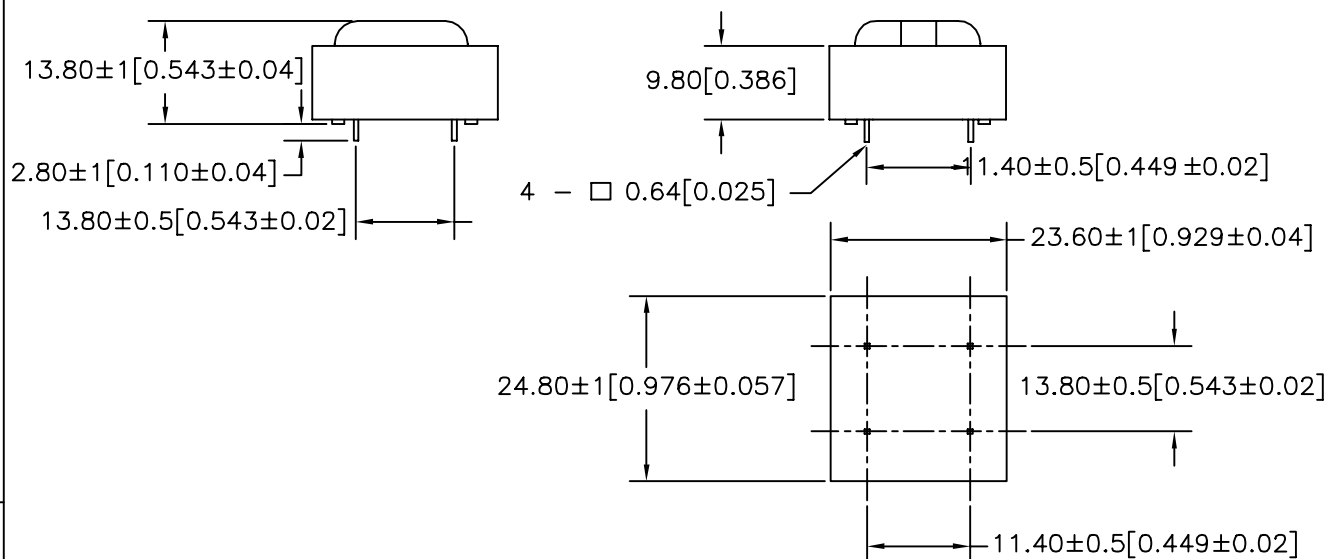   0.5% MAX @ 300Hz to 3.5KHz, 0dBm, DC0mA

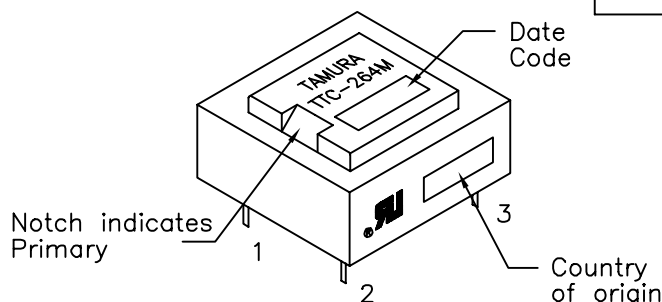B. Marking; TTC−264M, TAMURA, date code and country of origin
C. Safety: UL1950 Third Edition, File No. E208555
D. Schematic Diagram

Date Code

Notch indicates Primary

1

2

3

Country of origin

TAMURA TTC-264M

PRI   SEC

2   3

600Ω   470Ω

1   4

E. Mechanical Specifications

13.80±1[0.543±0.04]

2.80±1[0.110±0.04]

13.80±0.5[0.543±0.02]

9.80[0.386]

4 − □ 0.64[0.025]

11.40±0.5[0.449±0.02]

23.60±1[0.929±0.04]

24.80±1[0.976±0.057]

13.80±0.5[0.543±0.02]

11.40±0.5[0.449±0.02]

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Don Kelly

DWG CONTROL NO. P−A1−12228 ACAD\TTC\A1122281.DWG	REV B	TELECOMMUNICATION COUPLING TRANSFORMER	TTC−264M

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MODEL SPECIFICATION

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