

REV. Status

REVISION -
09/08/99 TSREVISION A
ADDED
TOLERANCES
TO DIMENSIONS
09/28/99 TSREVISION B
CHANGED
SAFETY TO
UL1950
07/13/00 TS

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:

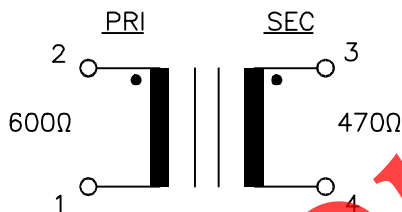
A. Electrical Specifications (@ 25 ° C)

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

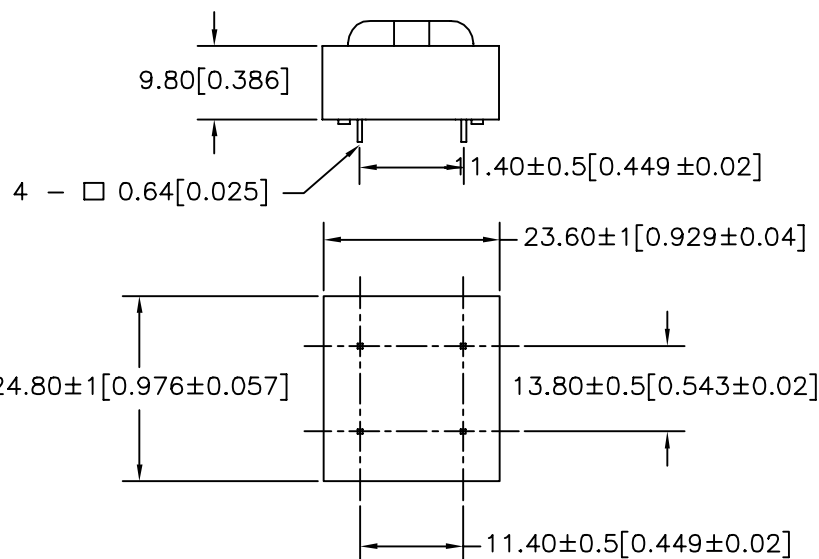
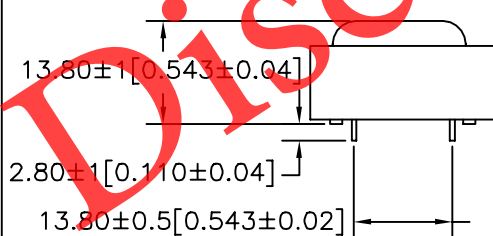
B. Marking; TTC-264M, TAMURA, date code and country of origin

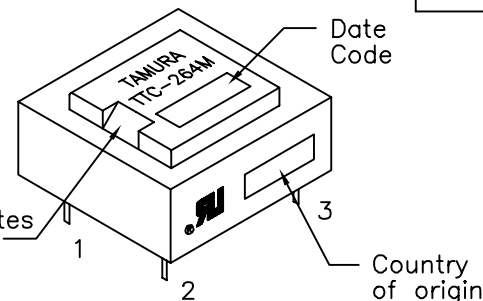
C. Safety: UL1950 Third Edition, File No. E208555

D. Schematic Diagram



E. Mechanical Specifications



E208555


MODEL NUMBER

TTC-264M

PREPARED BY:

Dawn Rundel

ENGINEER:

J. Strigman

QUALITY CONTROL:

Don Kelly

APPROVED:

Don Kelly

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

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

TTC-264M

MODEL SPECIFICATION

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

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