



REV. Status

REVISION -
09/19/91 HA

REV MARKING
LOCATION
6/16/92 TS

REVISION C
ADDED
SAFETY NOTE
7/30/92 TS

REVISION D
TEMECULA
-WAS-
CARSON
1/13/93 TS

REVISION E
ADDED DIM
4.2±0.4
(0.165±0.015)
3/19/93 TS

REVISION F
ADDED DIM
0.64(0.025)
SQUARE
TYPICAL
4 PLACES.
DC RES (1-2)
-WAS-
95Ω ±10%.
3/26/93 TS

REVISION G
REV LABEL
ADDED TM105
AND MICROTRAN
06/26/96 TS

REVISION H
ADDED STANDOFF
DIM 0.5(.02)
02/12/97 TS

REVISION J
ADDED RoHS.
UL1459 WAS
UL1863. NOTE
10, 1200Vrms
WAS 1250Vrms
01/17/07 MP

PREPARED BY:

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ENGINEER:

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QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

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

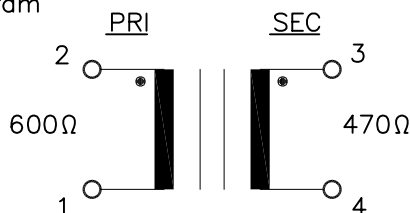
A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 470Ω
3. Operating Level; -20 dBm to +4 dBm
4. Insertion Loss;
2.5 dBMAX @ 1KHz, 0dBm, DC 30mA
5. Frequency Response (relative to 1 KHz)
±4.0 dB 300 Hz to 600 Hz @ 0 dBm
±1.0 dB 600 Hz to 3.5 KHz @ 0 dBm
6. Longitudinal Balance;
60 dB MIN @ 60 Hz to 1 KHz
46 dB MIN @ 1 KHz to 4 KHz
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;
1500 Vrms 1 minute @ Pri to Sec, Pri to Core
1200 Vrms 1 minute @ Sec to Core
10. Total Harmonic Distortion;
0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm, DC0mA

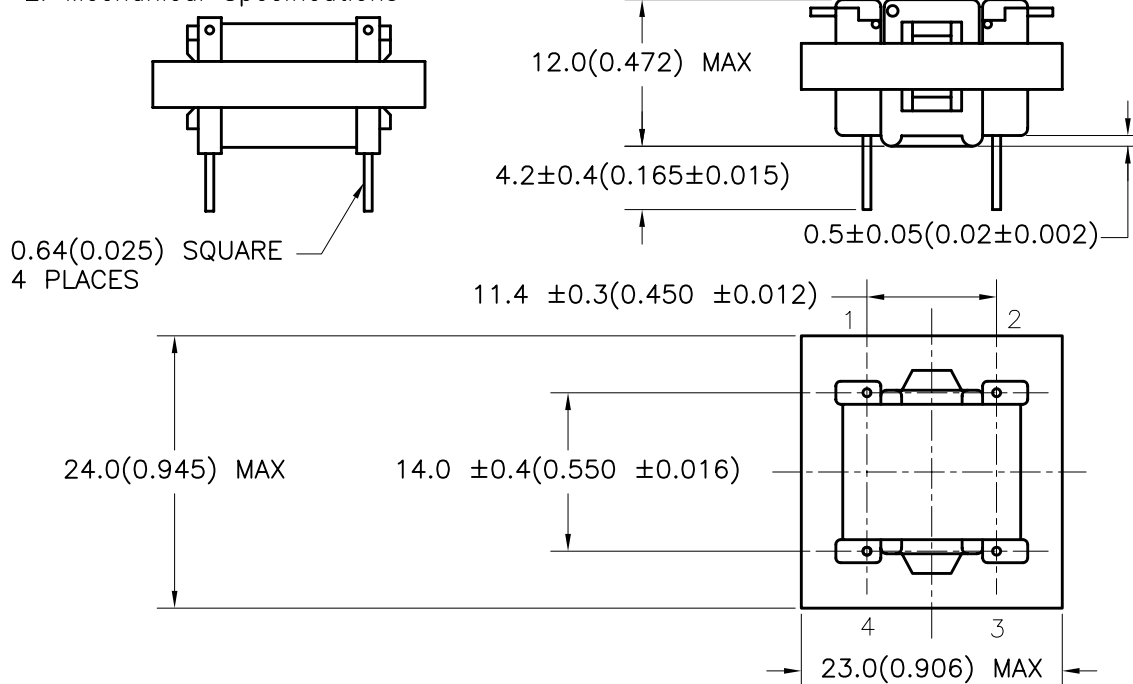
B. Marking; TTC-264, TAMURA, TM105, MICROTRAN,
date code and country of origin

C. Safety: CSA C22.2 No. 66-M1988 File No. LR81383
UL 1459 File No. E142035

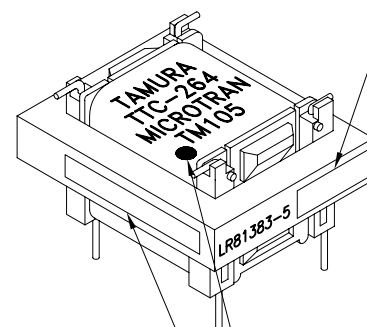
D. Schematic Diagram



E. Mechanical Specifications



SAFETY APPROVAL LOGOS



DATE CODE AND
COUNTRY OF ORIGIN

DOT ON
LABEL
DESIGNATES
PIN 1

MODEL NUMBER

TTC-264

DWG CONTROL NO.
P-A1-10434
ACAD\TTC\A1104341.DWG

REV
J

TELECOMMUNICATION COUPLING
TRANSFORMER

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PRIOR NOTICE

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TTC-264

MODEL SPECIFICATION

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

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