

REV. Status

REVISION -
9/19/91 HAREVISION A
1/3/92 HAREVISION B
REV MARKING
LOCATION
6/16/92 TSREVISION C
ADDED
SAFETY NOTE
7/30/92 TSREVISION D
TEMECULA
-WAS-
CARSON
1/13/93 TSREVISION E
ADDED DIM
4.2±0.4
(0.165±0.015)
3/19/93 TSREVISION F
ADDED DIM
0.64(0.025)
SQUARE
TYPICAL
4 PLACES.
DC RES (1-2)
-WAS-
95? ±10%.
3/26/93 TSREVISION G
REV LABEL
ADDED TM105
AND MICROTRAN
06/26/96 TSREVISION H
ADDED STANDOFF
DIM 0.5(.02)
02/12/97 TS

PREPARED BY:

ENGINEER:

QUALITY CONTROL:

APPROVED:

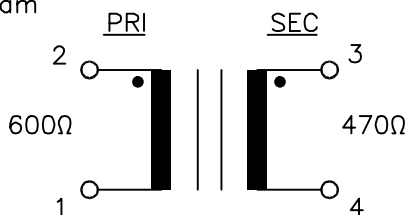
TELECOMMUNICATION WET COUPLING TRANSFORMER DESIGNED TO OPERATE FROM -20DBM TO +4DBM WITH 0 TO 100 MADC IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROX. 600Ω WITH 470Ω TO 600Ω LOAD ON SECONDARY:

A. Electrical Specifications (@ 25 ° C)

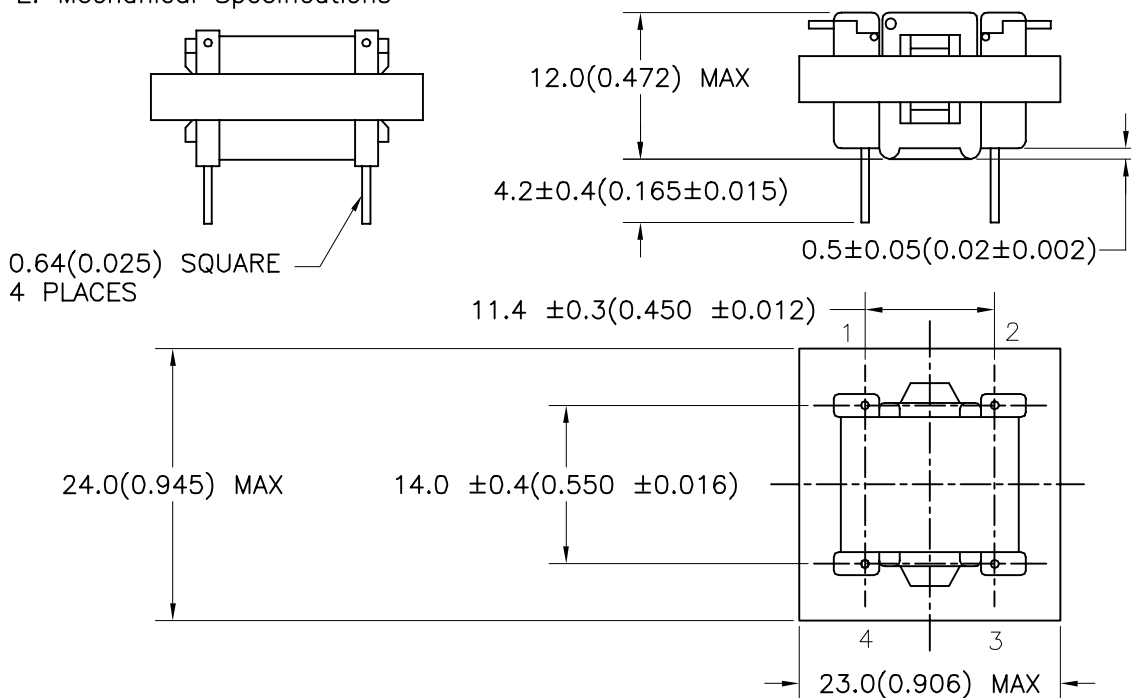
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 470Ω
3. Operating Level; -20 dBm to +4 dBm
4. Insertion Loss;
2.5 dBMAX @ 1KHz, 0dBm, DC 30mA
5. Frequency Response (relative to 1 KHz)
±4.0 dB 300 Hz to 600 Hz @ 0 dBm
±1.0 dB 600 Hz to 3.5 KHz @ 0 dBm
6. Longitudinal Balance;
60 dB MIN @ 60 Hz to 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
1250 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 originC. Safety: CSA C22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035

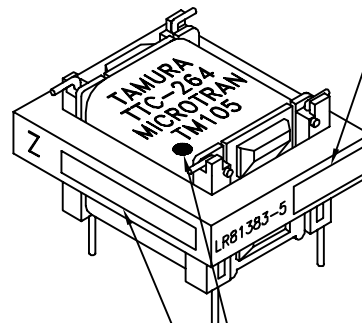
D. Schematic Diagram



E. Mechanical Specifications



SAFETY APPROVAL LOGOS

DATE CODE AND
COUNTRY OF ORIGINDOT ON
LABEL
DESIGNATES
PIN 1

MODEL NUMBER

TTC-264

DWG CONTROL NO.
P-A1-10434
ACAD\TTC\A1104341.DWGREV
HTELECOMMUNICATION COUPLING
TRANSFORMER

TTC-264

CONTENTS OF THIS DRAWING ARE
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PRIOR NOTICETAMURA CORPORATION OF AMERICA
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MODEL SPECIFICATION

DIM: mm(In) SCL: NONE SH: 1 OF 1

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