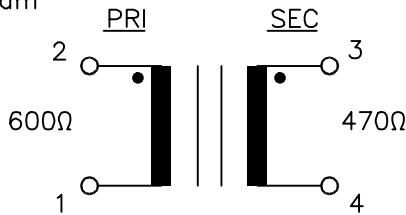


REV. Status

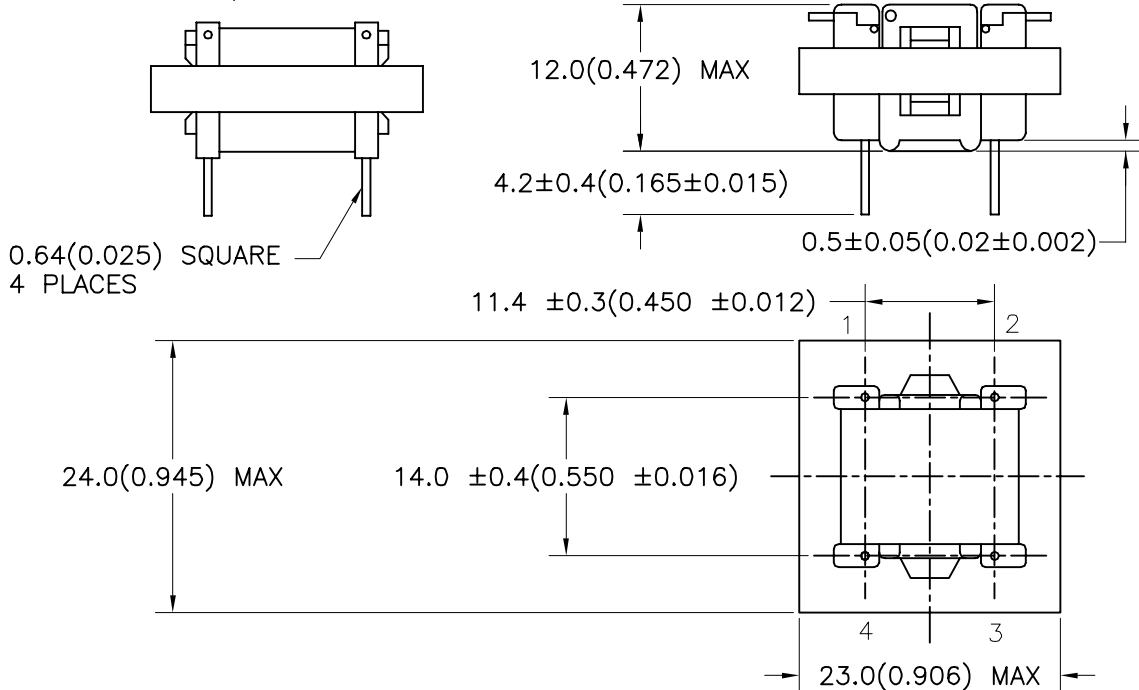
REVISION - 9/19/91 HA
REVISION A 1/3/92 HA
REVISION B REV MARKING LOCATION 6/16/92 TS
REVISION C ADDED SAFETY NOTE 7/30/92 TS
REVISION D TEMECULA -WAS- CARSON 1/13/93 TS
REVISION E ADDED DIM 4.2±0.4 (0.165±0.015) 3/19/93 TS
REVISION F ADDED DIM 0.64(0.025) SQUARE TYPICAL 4 PLACES. DC RES (1-2) -WAS- 95? ±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

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:

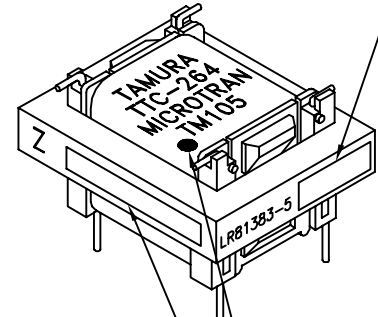
- A. Electrical Specifications (@ 25 ° C)
- Pri Source Impedance; 600Ω
 - Sec Load Impedance; 470Ω
 - Operating Level; -20 dBm to +4 dBm
 - Insertion Loss; 2.5 dBMAX @ 1KHz, 0dBm, DC 30mA
 - Frequency Response (relative to 1 KHz)
 - ±4.0 dB 300 Hz to 600 Hz @ 0 dBm
 - ±1.0 dB 600 Hz to 3.5 KHz @ 0 dBm
 - Longitudinal Balance;
 - 60 dB MIN @ 60 Hz to 1 KHz
 - 46 dB MIN @ 1 KHz to 4 KHz
 - DC Resistance;
 - (1-2) = 108Ω ±10%, -20%
 - (3-4) = 120Ω ±10 %
 - Turns Ratio; (1-2) : (4-3) = 1 : 1.00 ±2%
 - Dielectric Strength;
 - 1500 Vrms 1 minute @ Pri to Sec, Pri to Core
 - 1250 Vrms 1 minute @ Sec to Core
 - 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 1863 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

PREPARED BY:

ENGINEER:

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

TELECOMMUNICATION COUPLING
TRANSFORMER

TTC-264

QUALITY CONTROL:

CONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICE

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

MODEL SPECIFICATION

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

APPROVED:

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[1879732-1](#)