

REV. Status

REVISION -
01/09/92 HA

REVISION A
REV DIMS
16.7(0.66)MAX
-WAS-
16.8(0.66)MAX
41.9(1.65)MAX
-WAS-
42.0(1.65)MAX
19.05±0.5
(0.75±0.02)
-WAS-
6.35±0.5
(0.25±0.02)
TEMECULA
WAS CARSON
10/20/94 TS

REVISION B
NEW FORMAT
UPDATED LABEL
ADDED T5114
AND MICROTRAN
12/19/96 TS

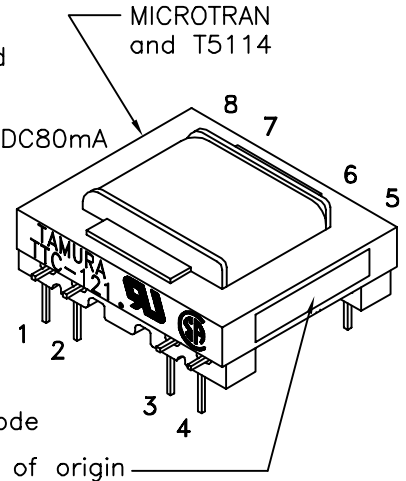
FCC68 LOW PROFILE HIGH PERFORMANCE TRANSFORMER

A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω CT, 300 Ω split
3. Sec DC Current; 80mA MAX (1-4)
4. Operating Level; -45 dBm to +7 dBm
5. Insertion Loss;
 - 1.1 dB TYP @ 1 KHz, 0 dBm, DC80mA
 - 1.5 dB MAX
6. Frequency Response; (relative to 1KHz)
 - ±0.7 dB @ 300 Hz to 3.5 KHz, 0 dBm, DC80mA
7. Return Loss;
 - 23 dB TYP @ approx. 460Ω plus 0.04 uF parallel load
 - 18 dB TYP @ 600Ω load
8. Longitudinal Balance; 60 dB MIN @ 200 Hz to 4 KHz
9. Total Harmonic Distortion; 0.3% MAX @ 300 Hz, 0 dBm, DC80mA
10. DC Resistance;
 - (6-7) = 74 Ω ±10%
 - (1-4) = 64 Ω ±10%
11. Turns Ratio;
 - (6-7) : (1-2) = 1 : 0.50 ±2%
 - (6-7) : (3-4) = 1 : 0.50 ±2%
12. Dielectric Strength;
 - 1500 Vrms 1 minute @ Pri to Sec, Pri to Core
 - 1000 Vrms 1 minute @ Sec to Core



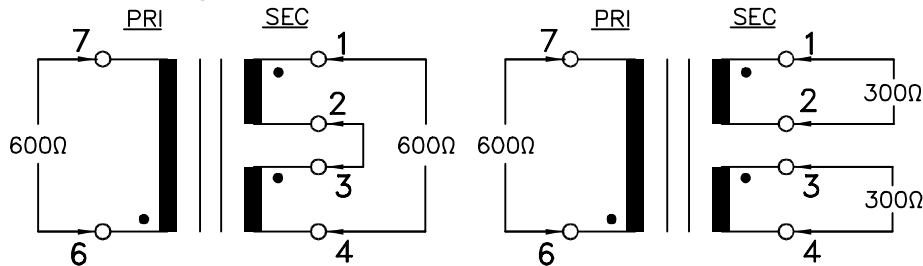
MODEL NUMBER
TTC-121



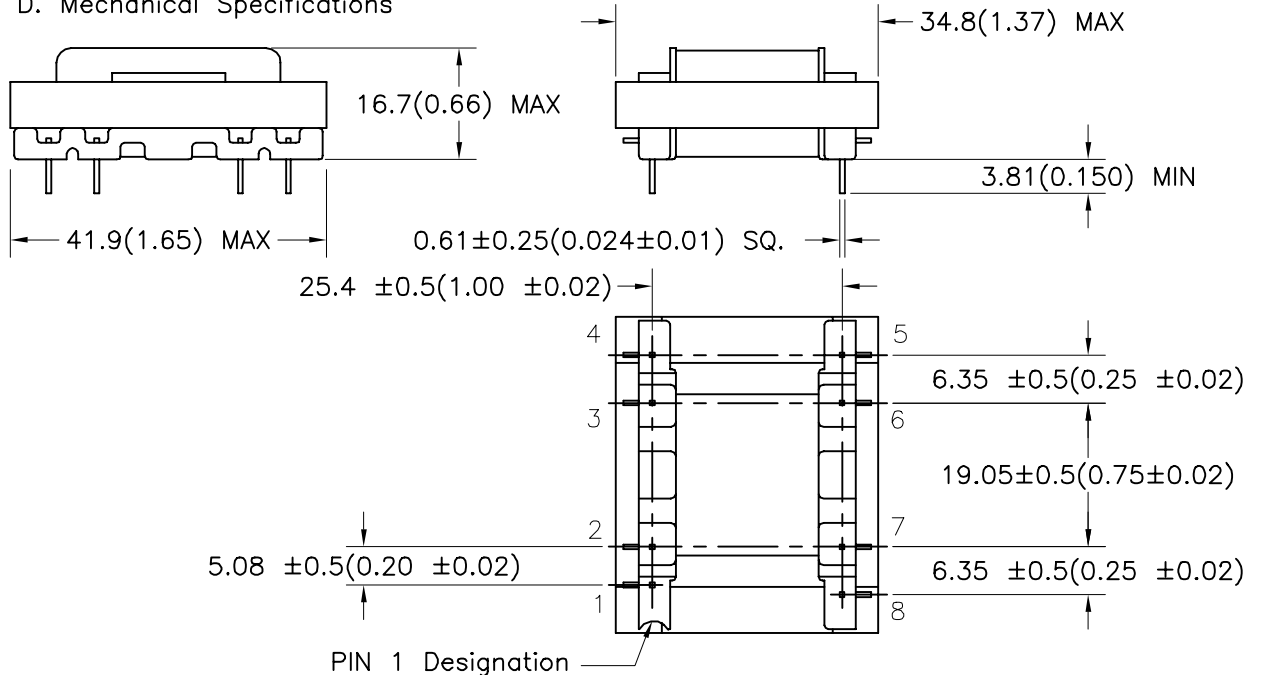
B. Marking; TTC-121, TAMURA, T5114, MICROTRAN, 196-date code and country of origin

Date code and country of origin

C. Schematic Diagram



D. Mechanical Specifications



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T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DRAWING CONTROL NO.
P-A1-10334
ACAD\TTC\A1103341.DWG

REV
B

MODEL DESCRIPTION
TELECOMMUNICATION COUPLING
TRANSFORMER

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MODEL SPECIFICATION

TTC-121

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

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