

REV. Status

REVISION -
01/09/92 HAREVISION 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 TSREVISION B
NEW FORMAT
UPDATED LABEL
ADDED T5114
AND MICROTRAN
12/19/96 TS

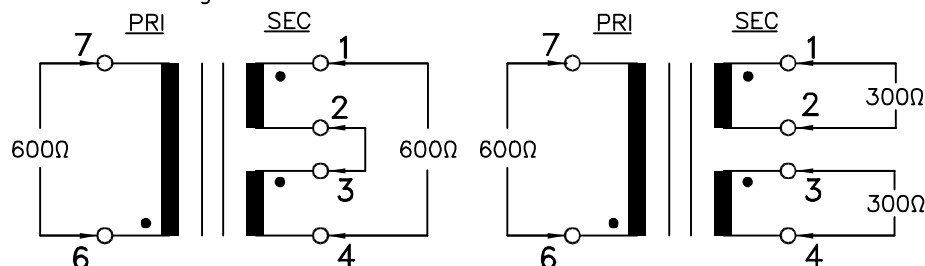
FCC68 LOW PROFILE HIGH PERFORMANCE TRANSFORMER

A. Electrical Specifications (@ 25 ° C)

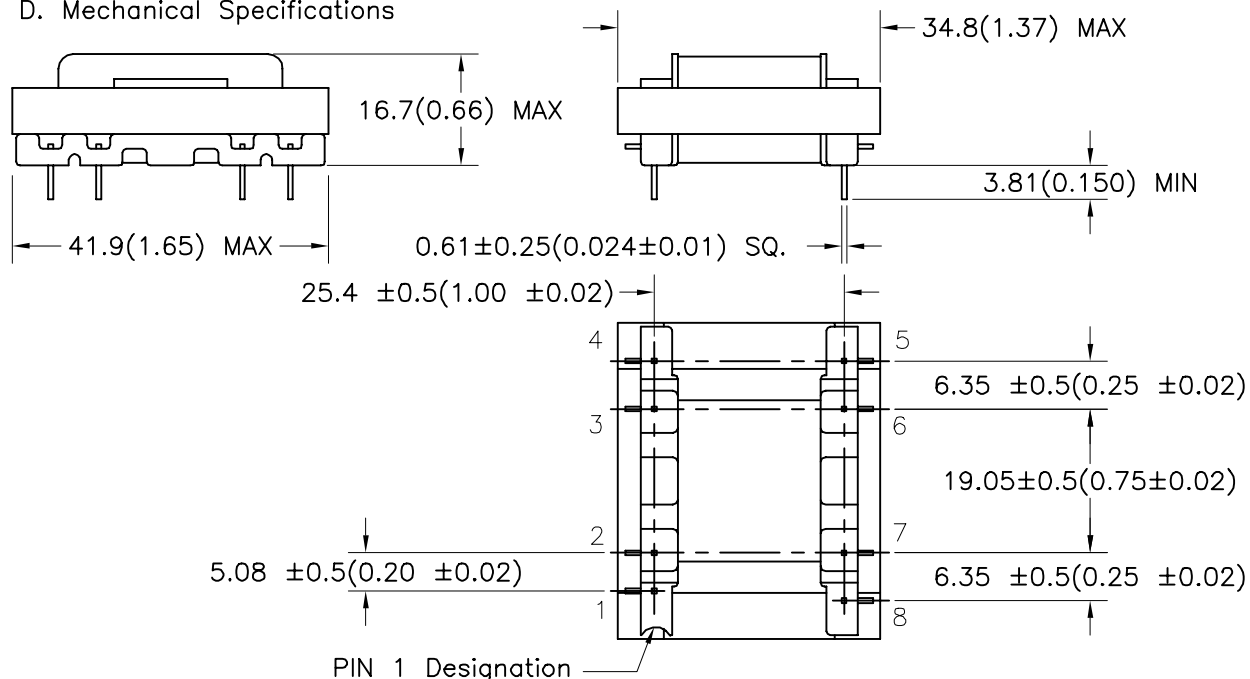
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω CT, 300 Ω split
3. Sec DC Current; 80mA MAX (1-4)
4. Operating Level; -45 dBm to +7 dBm
5. Insertion Loss;
1.1 dB TYP @ 1 KHz, 0 dBm, DC80mA
1.5 dB MAX
6. Frequency Response; (relative to 1KHz)
 ± 0.7 dB @ 300 Hz to 3.5 KHz, 0 dBm, DC80mA
7.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

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

C. Schematic Diagram



D. Mechanical Specifications



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APPROVED:

D. Kelley

DRAWING CONTROL NO.
P-A1-10334
ACAD\TTC\A1103341.DWGREV
BMODEL DESCRIPTION
TELECOMMUNICATION COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA

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MODEL SPECIFICATION

TTC-121

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

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UL# E142035

MODEL NUMBER

TTC-121

Mouser Electronics

Authorized Distributor

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