

REVISION C
REVISED AND
REDRAWN ON
CAD/CAM
03/27/92 TS

REVISION D
NEW FORMAT
TEMECULA
WAS CARSON
1/21/93 TS

REVISION E
ADDED SAFETY
ADDED TH9306
& MICROTRAN
REVISED DIM
30.5(1.20)MAX
WAS
31.8(1.25)MAX
02/01/96 TS

REVISION F
NEW FORMAT
ADDED DESCRIPTION
08/05/96 TS

REVISION G
ADDED DIM
1.2(0.05)NOMINAL
02/25/97 TS

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TOLERANCES (mm)
≅ 4 ± 0.2
4 ≅ 20 ± 0.3
20 ≅ 50 ± 0.4

PREPARED BY:

K. Brennan

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance: 600Ω CT
2. Sec Load Impedance: 600Ω CT
4. Operating Level: -45 dBm to +10 dBm
5. Insertion Loss:
1.5 dB MAX @ 1 KHz 0 dBm
6. Frequency Response (relative to 1 KHz)
±0.5dB @ 300 to 3500 Hz 0 dBm
7. Pri Impedance: 600 Ω ±20% @ 500 to 1800 Hz 0 dBm
8. Pri Return Loss: 18 dB MIN @ 1 KHz 0 dBm
9. Longitudinal Balance: 60 dB MIN @ 200 to 4000 Hz
10. Total Harmonic Distortion: 1.0% MAX @ 300 to 3500 Hz 0 dBm
11. DC Resistance:

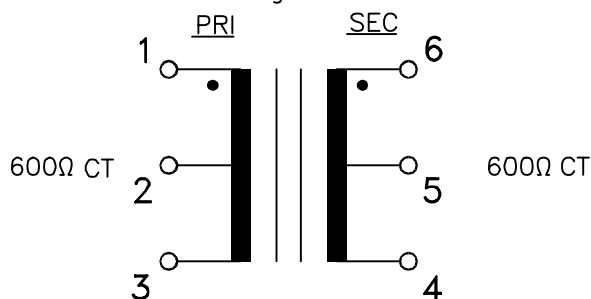
$$\begin{aligned} (1-3) &= 44 \Omega \pm 10\% \\ (4-6) &= 56 \Omega \pm 10\% \end{aligned}$$
12. Turns Ratio: $(1-3) : (6-4) = 1 : 1.00 \pm 2\%$
 $(1-2) : (2-3) = 1 : 1.00 \pm 2\%$
 $(4-5) : (5-6) = 1 : 1.00 \pm 2\%$
13. Dielectric Strength:
3750 Vrms Hz 1 minute @ Pri to Sec
1250 Vrms Hz 1 minute @ Pri to Core, Sec to Core

Date code and country of origin

B. Marking: TTC-158-1, TAMURA, TH9306, MICROTRAN, date code, country of origin and safety approval logos

C. Safety: CSA C22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035

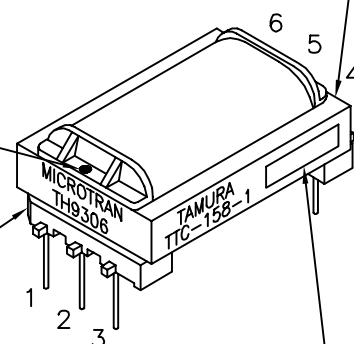
D. Schematic Diagram



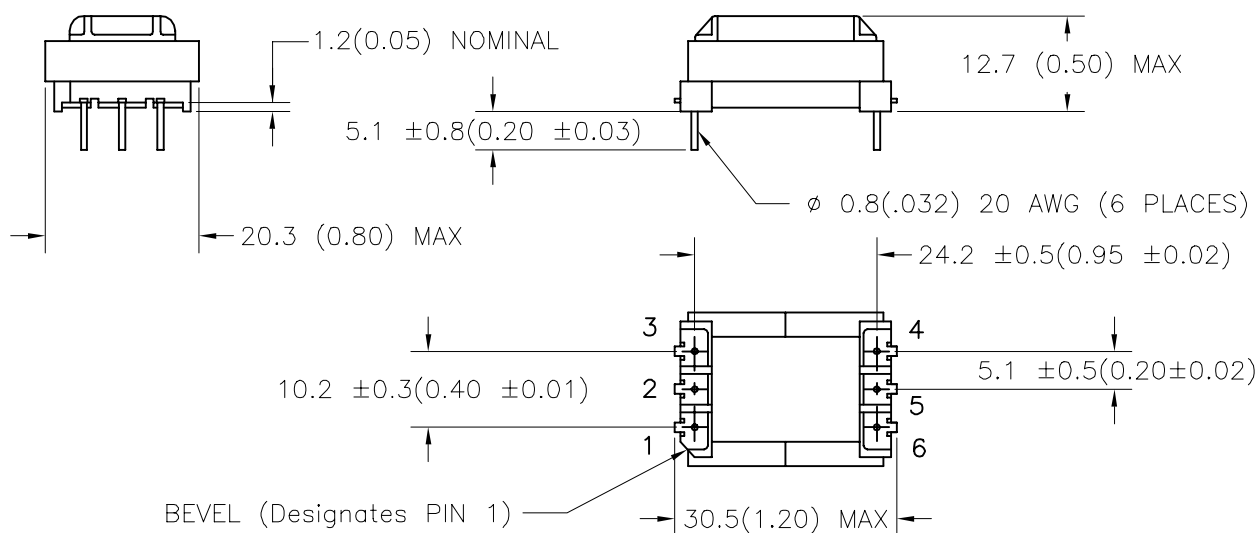
White Dot (PRIMARY)

Bevel (PIN 1)

SAFETY APPROVAL LOGOS



E. Mechanical Specifications



DRAWING CONTROL NO.

P-A1-10194

ACAD\TTC\A1101941.DWG

REV

G

MODEL DESCRIPTION
TELECOMMUNICATION COUPLING
TRANSFORMER

MODEL SPECIFICATION

TTC-158-1

CONTENTS OF THIS DRAWING ARE
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TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624

DIM: mm(In)

SCL: NONE

SH: 1 OF 1

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