



REV. Status

REVISION -  
03/27/00 TS

REVISION A  
ADDED RoHS  
06/08/06 MP

TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω CT WITH 600Ω CT LOAD ON SECONDARY.

A. Electrical Specifications (@ 25 ° C)

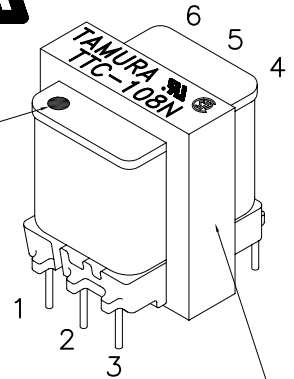
1. Pri Source Impedance; 600Ω CT
  2. Sec Load Impedance; 600Ω CT
  3. Operating Level; -45dBm to +7dBm
  4. Insertion Loss;
    - 1.4dB MAX @ 1KHz, 0dBm
  5. Frequency Response;
    - ±0.5B @ 300Hz to 3.5KHz @ 0dBm
  6. Primary Impedance;
    - 600Ω +15%, -5% @ 300Hz to 3.5KHz, 0dBm
    - 600Ω +10%, -5% @ 500Hz to 2.5KHz, 0dBm
  7. Longitudinal Balance;
    - 60dB MIN @ 200 to 1KHz
    - 40dB MIN @ 4KHz
  8. DC Resistance;
    - (1-3)=44Ω ±20%
    - (4-6)=56Ω ±20%
  9. Turns Ratio; (1-3):(4-6)=1:1.00 ±2%
  10. Dielectric Strength;
    - 1500Vrms 1 minute @ Pri to Sec, Pri to Core
    - 1000Vrms 1 minute @ Sec to Core
  11. Total Harmonic Distortion:
    - 0.5% MAX @ 300Hz to 3.5KHz, 0dBm
  12. Induced Voltage; (1-3) 250Vrms 5KHz 1 minute
- B. Marking; TTC-108N, TAMURA, agency logos, date code and country of origin
- C. Safety; CSA C22.2 No. 66-M 1988, File No. LR81383, UL 1459, File No. E142035



MODEL NUMBER  
**TTC-108N**

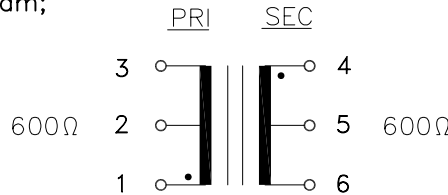


White dot indicates pin 1

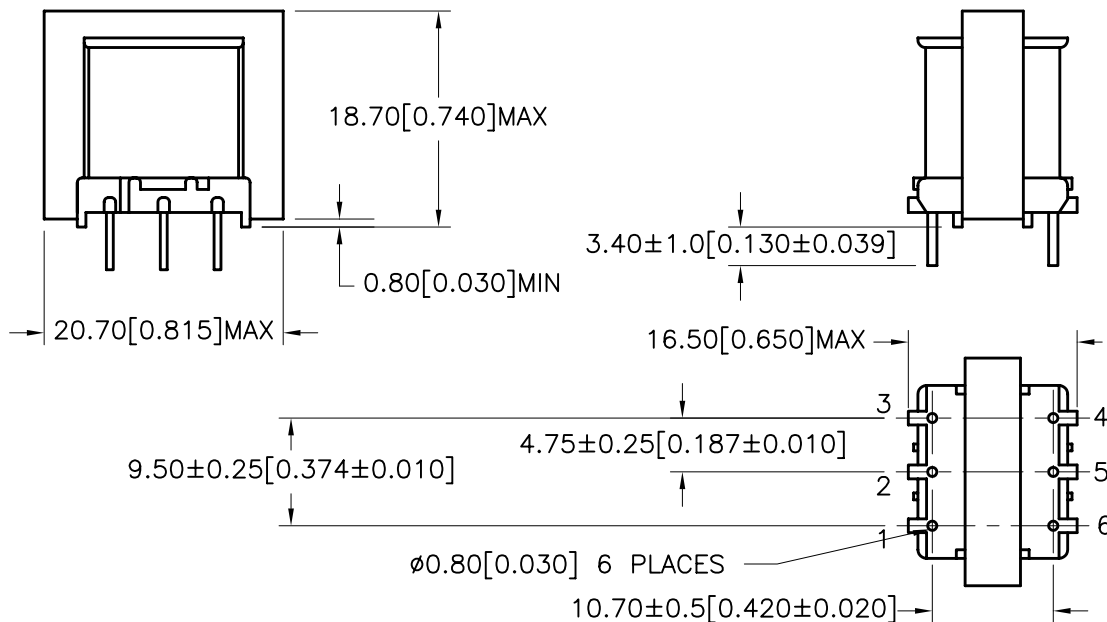


Date and country of origin code

D. Schematic Diagram;



E. Mechanical Specifications;



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

PREPARED BY:

K. BRENNAN

ENGINEER:

M. PITCHAI

QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO. P-A1-11336  
ACAD\TTC\A1113361.DWG

REV A

TELECOMMUNICATION COUPLING TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(951) 699-1270 FAX 9516769482

**TTC-108N**

MODEL SPECIFICATION

DIM: mm [In] SCL: 1/1 SH: 1 OF 1

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.