



REV. Status

REVISION -
03/27/00 TSREVISION 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.

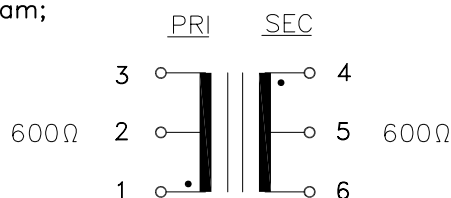
A. Electrical Specifications (@ 25 ° C)

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

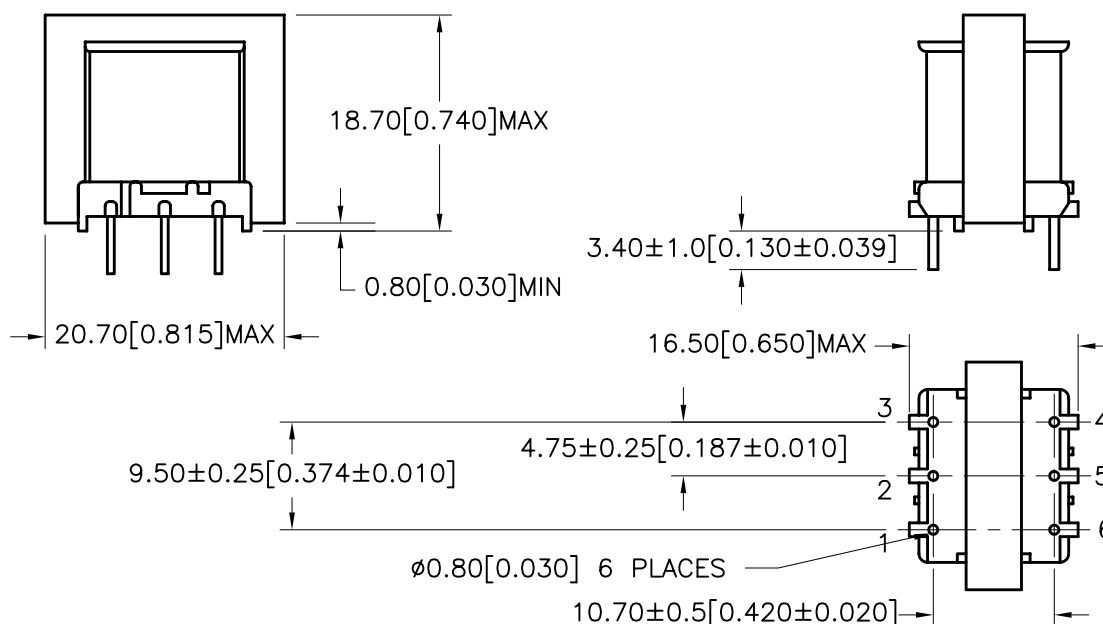
B. Marking; TTC-108N, TAMURA, agency logos, date
code and country of origin

C. Safety; CSA C22.2 No. 66-M 1988, File No. LR81383, UL 1459, File No. E142035

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

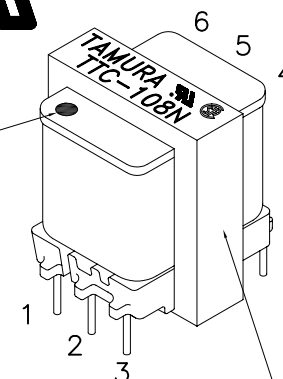
DWG CONTROL NO.
P-A1-11336
ACAD\TTC\A1113361.DWGREV
ATELECOMMUNICATION COUPLING
TRANSFORMERTAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(951) 699-1270 FAX 9516769482

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.

RoHS
COMPLIANTWhite dot
indicates
pin 1Date and country
of origin code

MODEL NUMBER

TTC-108N