



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

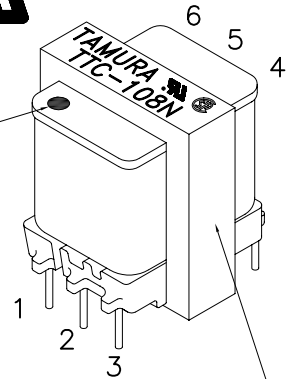


MODEL NUMBER

TTC-108N

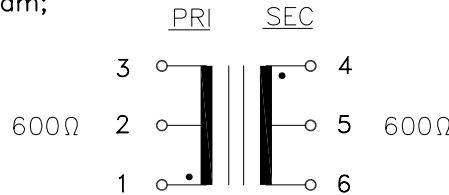


White dot indicates pin 1

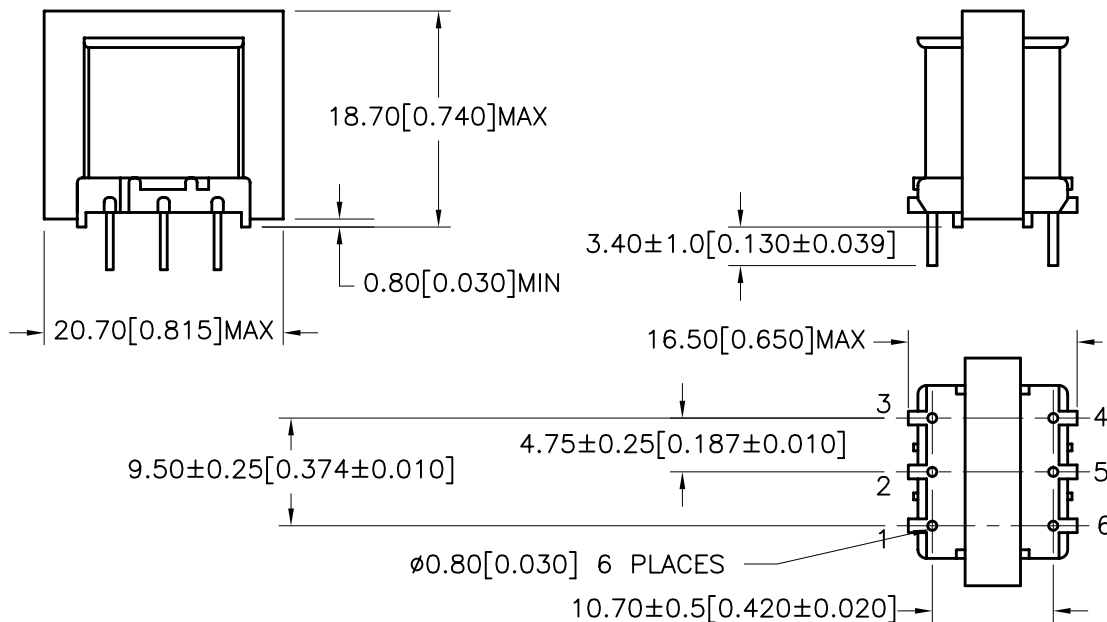


Date and country of origin code

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

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TTC-108N

MODEL SPECIFICATION

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

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