



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

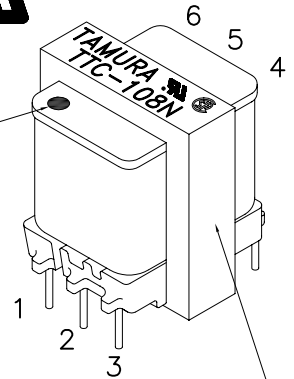


MODEL NUMBER

TTC-108N

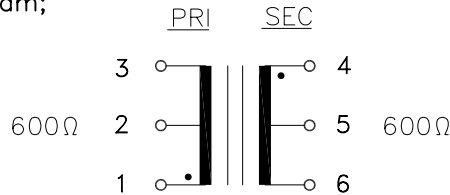


White dot indicates pin 1

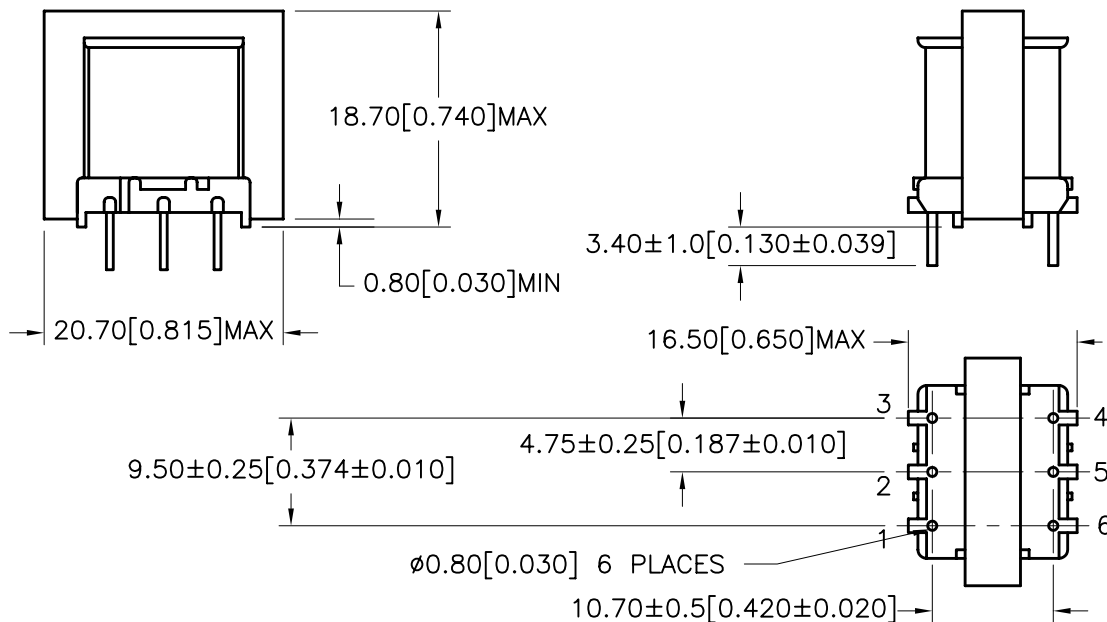


Date and country of origin code

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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(951) 699-1270 FAX 9516769482

TTC-108N

MODEL SPECIFICATION

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

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