



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!



## Contact us

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REV. Status

REVISION -  
03/28/91HA  
RE: TTC-109  
WITH NEW  
BOBBIN

REVISION A  
ADDED  
STANDOFF  
DIMENSION  
1/8/92 HA

REVISION B  
TEMECULA  
WAS CARSON  
ADDED SAFETY  
ADDED T-2111  
9/28/95 TS

REVISION C  
T2111  
WAS T-2111  
12/5/95 TS

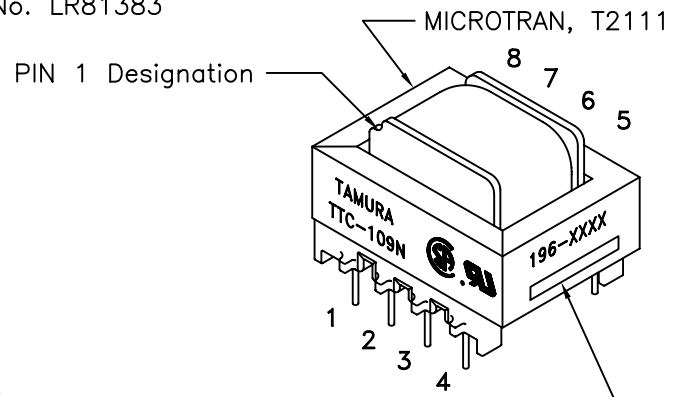
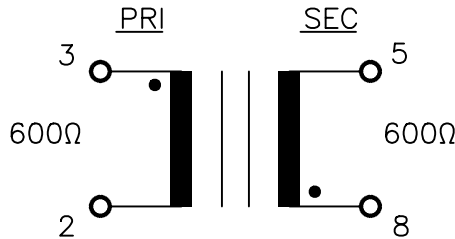
REVISION D  
NEW  
FORMAT  
07/08/98 TS

LOW PROFILE TELECOMMUNICATIONS TRANSFORMER 600:600

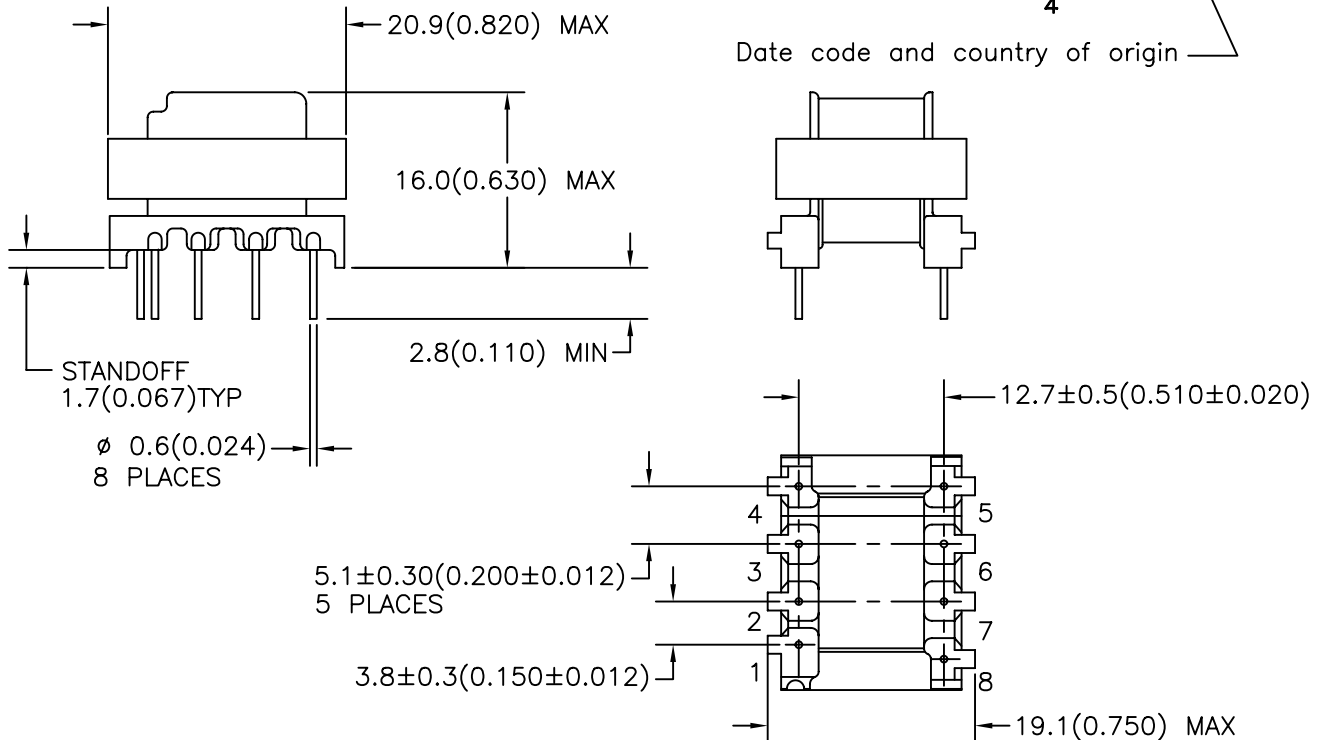


MODEL NUMBER  
TTC-109N

- A. Electrical Specifications (at 25° C)
1. Pri Source Impedance; 600Ω
  2. Sec Load Impedance; 600Ω
  3. Pri DC Current; 90mA MAX (2-3)
  4. Operating Level; -45dBm to +10dBm
  5. Insertion Loss;
    - 3.0dB MAX from 660Hz to 800Hz, 0dBm, DC90mA
    - 2.5dB MAX from 800Hz to 3.5KHz, 0dBm, DC90mA
  6. Frequency Response (Relative to 2KHz);
    - +0.7, -1.0dB from 660Hz to 800Hz, 0dBm, DC90mA
    - ±0.7dB from 800Hz to 3.5KHz, 0dBm, DC90mA
  7. Longitudinal Balance; 60dB MIN from 200Hz to 4KHz
  8. DC Resistance;
    - (2-3) = 71Ω±15%
    - (5-8) = 117Ω±15%
  9. Turns Ratio; (2-3) : (5-8) = 1 : 1.0 ±2%
  10. Dielectric Strength;
    - 1500Vrms, 1 minute from Pri to Sec, Pri to Core
    - 1000Vrms, 1 minute from Sec to Core
- B. Marking; TTC-109N, TAMURA, T2111, MICROTRAN, date code, country of origin, and agency safety logos
- C. Safety; CSA-22.2 No. 66-M1988 File No. LR81383  
UL 1863 File No. E142035
- D. Schematic Diagram



E. Mechanical Specifications



PREPARED BY:

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QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.  
P-A1-10410  
ACAD\TTC\A1104101.DWG

REV  
D

TELECOMMUNICATION COUPLING  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

**TTC-109N**

MODEL SPECIFICATION

DIM: mm(in) SCL: NONE SH: 1 OF 1

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