



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

ISSUE 2
REVISED AND
REDRAWN ON
CAD/CAM
3/31/92 TS

ISSUE 3
TEMECULA
WAS CARSON
ADDED T9320
ADDED SAFETY
7/26/95 TS

ISSUE 4
REVISED DIM
30.5(1.20)MAX
WAS
31.8(1.25)MAX
02/01/96 TS

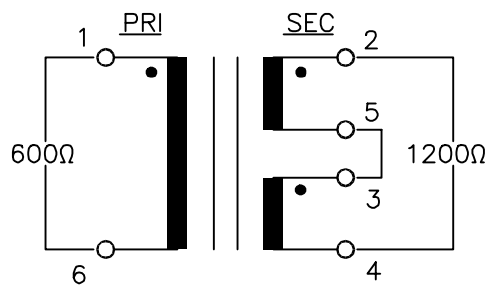
A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω /600 Ω
3. Pri DC Unbalance Current; 50 mA
4. Operating Level; -45 dBm to +10 dBm
5. Insertion Loss;
1.6 dB MAX @ 1.0 KHz 0 dBm and DC50mA
6. Frequency Response (relative to 1.0 KHz)
+0.3dB -0.7dB @ 500 to 3500 Hz 0 dBm and DC50mA
+0.3dB -1.6dB @ 300 to 3500 Hz 0 dBm and DC50mA
7. Pri Impedance; 600 Ω ±10% @ 500 Hz 0 dBm and DC50mA
8. Pri Return Loss; 14 dB MIN @ 1.0 KHz 0 dBm and DC50mA
9. Longitudinal Balance; 60 dB MIN @ 200 to 1000 Hz
40 dB MIN @ 4000 Hz
10. Total Harmonic Distortion; 0.5% MAX @ 300 to 3500 Hz 0 dBm and DC50mA
11. DC Resistance;
(1-6) = 75 Ω ±10%
(2-4) = 170 Ω ±10% (3 and 5 shorted)
12. Turns Ratio; (1-6) : (2-4) = 1 : 1.41 ±2% (3 and 5 shorted)
(2-5) : (3-4) = 1 : 1.00 ±1%
13. Dielectric Strength;
1500 Vrms 1 minute @ Pri to Sec, Pri to Core
200 DC 1 minute @ Sec to Sec

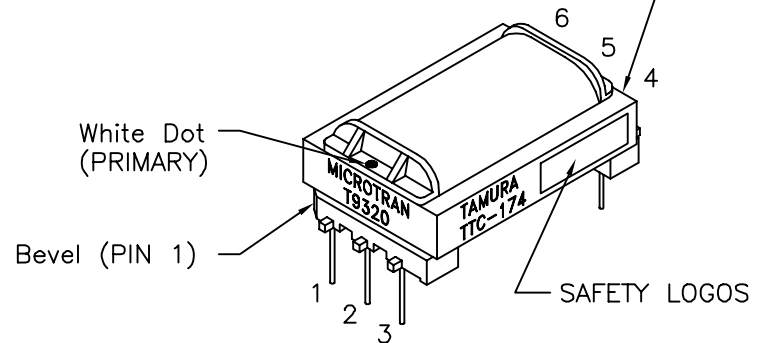
B. Marking; TTC-174, TAMURA, T9320, MICROTRAN, date code and country of origin

C. Safety; CSA 22.2 No. 66-M1988, File No. LR81383
UL1863 File No. E142035

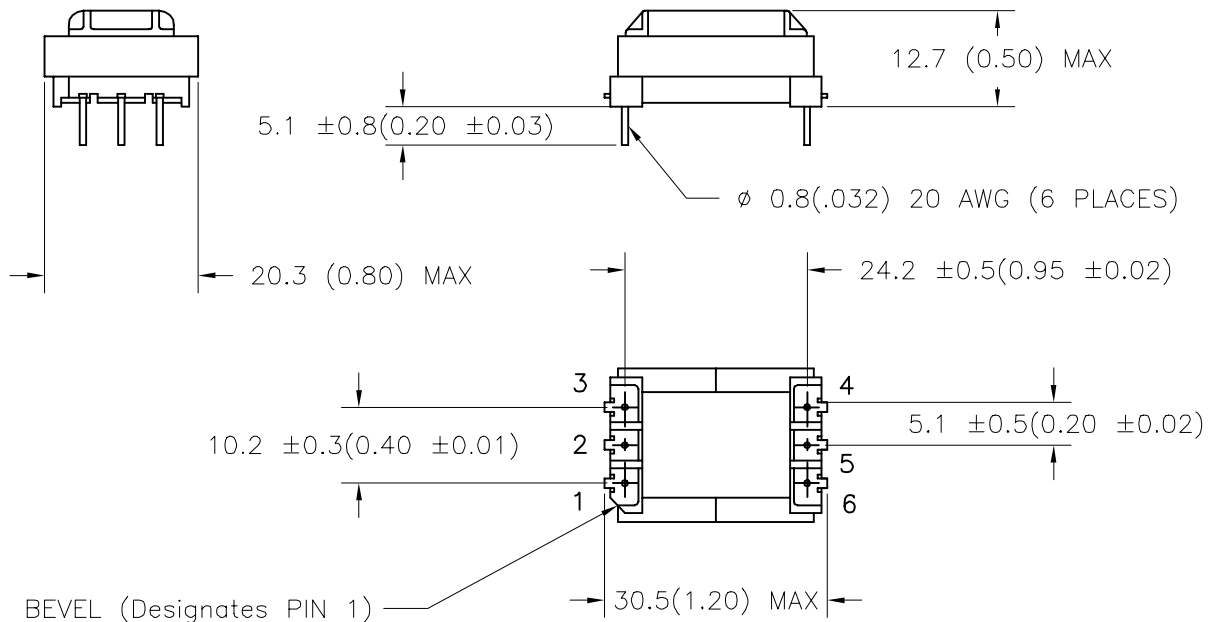
D. Schematic Diagram



Date code and country of origin



E. Mechanical Specifications



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

PREPARED BY:

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ENGINEER:

T. Shiozawa

QUALITY CONTROL:

V. Casey

APPROVED:

V. Casey

DWG CONTROL NO.

P-A1-10046

ACAD\TTC\A1100461.DWG

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HYBRID
TRANSFORMER

TAMURA CORPORATION OF AMERICA

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TTC-174

MODEL SPECIFICATION

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

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MODEL NUMBER
TTC-174