



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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REVISION C
REVISED AND
REDRAWN ON
CAD/CAM
12/19/91 HA

REVISION D
TEMECULA
-WAS-
CARSON
ADDED SAFETY
REFORMATTED
5/3/95 TS

REVISION E
NEW
FORMAT
6/30/98 TS

HIGH PERFORMANCE LOW PROFILE TELECOMMUNICATION COUPLING TRANSFORMER

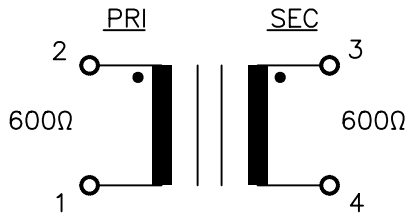
A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω
3. Pri DC Unbalance Current; 90mA (1-2)
4. Operating Level; -45dBm to +10dBm
5. Insertion Loss;
 - 1.7dB MAX @ 1.8KHz 0dBm and DC90mA
6. Frequency Response (relative to 1.8KHz)
 - +0.2dB, -1.0dB @ 500 to 3,500Hz 0dBm and DC90mA
 - +0.2dB, -2.0dB @ 300 to 3,500Hz 0dBm and DC90mA
7. Pri Impedance; 600Ω ±20% @ 500 to 1,800Hz 0dBm and DC90mA
8. Pri Return Loss; 14dB MIN @ 1.8KHz 0dBm and DC90mA
9. Longitudinal Balance; 60dB MIN @ 200 to 4,000Hz
10. Total Harmonic Distortion; 0.5% MAX @ 300 to 3,500Hz 0dBm and DC90mA
11. DC Resistance;
 - (1-2) = 75Ω ±10%
 - (3-4) = 100Ω ±10%
12. Turns Ratio; (1-2) : (4-3) = 1 : 1.04 ±2%
13. Dielectric Strength;
 - 1500Vrms 60Hz 1 minute @ Pri to Sec, Pri to Core
 - 1500Vrms 60Hz 1 minute @ Sec to Core

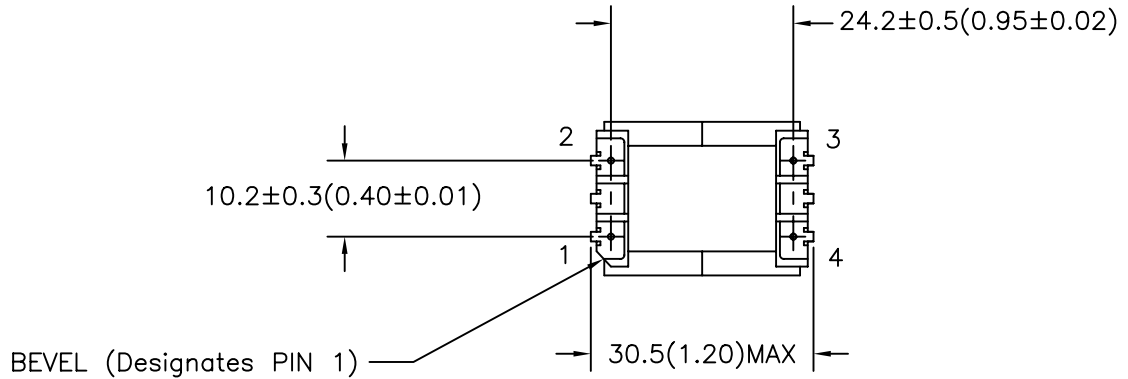
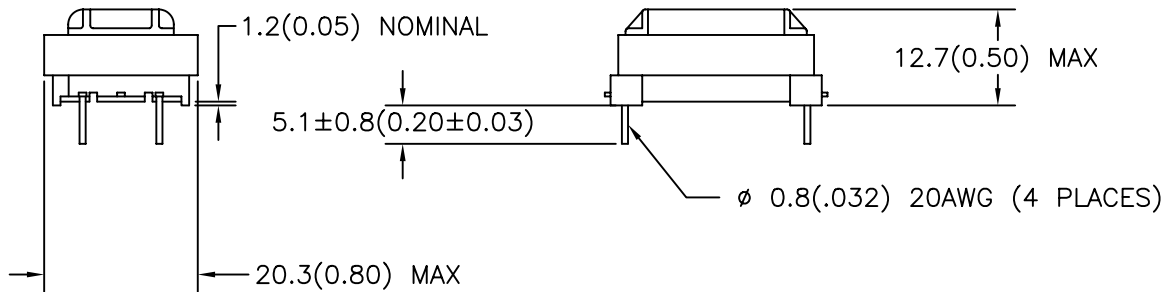
B. Marking; TTC-143, TAMURA, date code, country of origin and safety approval logos

C. Safety; CSA C22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035

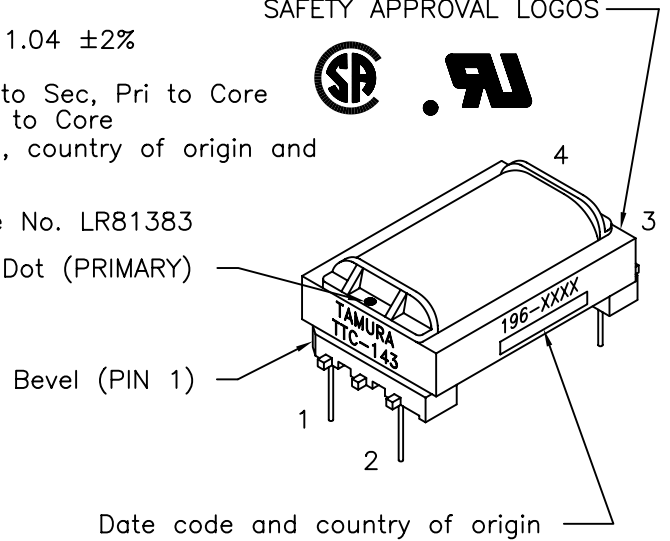
D. Schematic Diagram



E. Mechanical Specifications



SAFETY APPROVAL LOGOS



MODEL NUMBER
TTC-143

PREPARED BY:

J. Peterson

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.
P-A1-10034
ACAD\TTC\A1100341.DWG

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TELECOMMUNICATIONS COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA
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TTC-143

MODEL SPECIFICATION

DIM: mm(in) SCL: 1/1 SH: 1 OF 1

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