



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 -
01/08/92 HA

REVISION A
TEMECULA
WAS CARSON
ADDED SAFETY
UPDATED NP
REVISED DIM
20.3(0.80)MAX
WAS
19.8(0.781)MAX
01/06/96 TS

REVISION B
CHANGED
A.8
10/08/02 MP

REVISION C
ADDED RoHS.
UL1459 WAS
UL1863
10/17/06 MP

REVISION D
DC RES. ±20%
WAS MAX. ADDED
"2ND EDITION" TO
UL 1459
01/18/08 YS

A. Electrical Specifications (@ 25°C)

- Pri Source Impedance; 600 Ω CT
- Sec Load Impedance; 600 Ω CT
- Operating Level; -45dBm to +7dBm
- Insertion Loss;
1.2dB MAX @ 1KHz, 0dBm
- Frequency Response (relative to 1KHz);
±0.5dB @ 300Hz to 3.5KHz, 0dBm
- Primary Impedance; 600Ω ±10% @ 300Hz to 3.5KHz, 0dBm
- Return Loss; 26dB MIN @ 300Hz 0dBm
- Longitudinal Balance; 60dB MIN @ 200Hz to 1KHz
40dB MIN @ 4KHz
- DC Resistance;
(1-3)= 46Ω ± 20%
(4-6)= 63Ω ± 20%
- Turns Ratio; (1-3) : (4-6) = 1 : 1.06 ±2%
- Dielectric Strength;
1500Vrms, 1 minute @ Pri to Sec, Pri to Core
1000Vrms, 1 minute @ Sec to Core



MODEL NUMBER
TTC-03

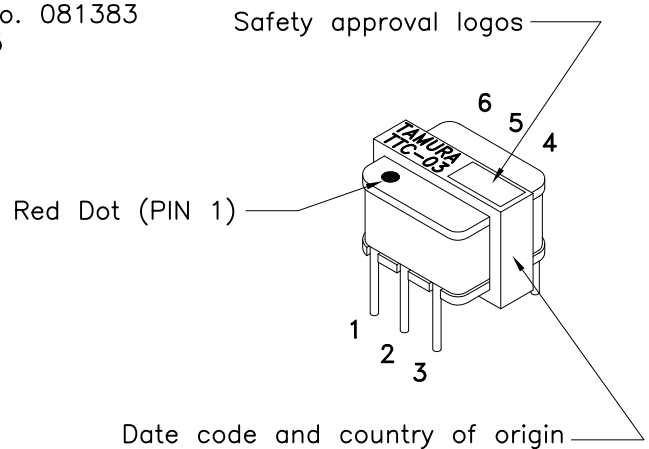
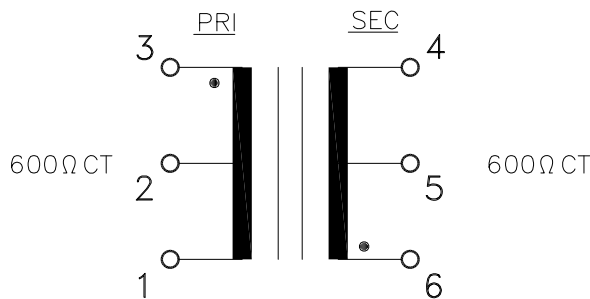


B. Marking; TTC-03, TAMURA, date code, country of origin, and safety agency logos

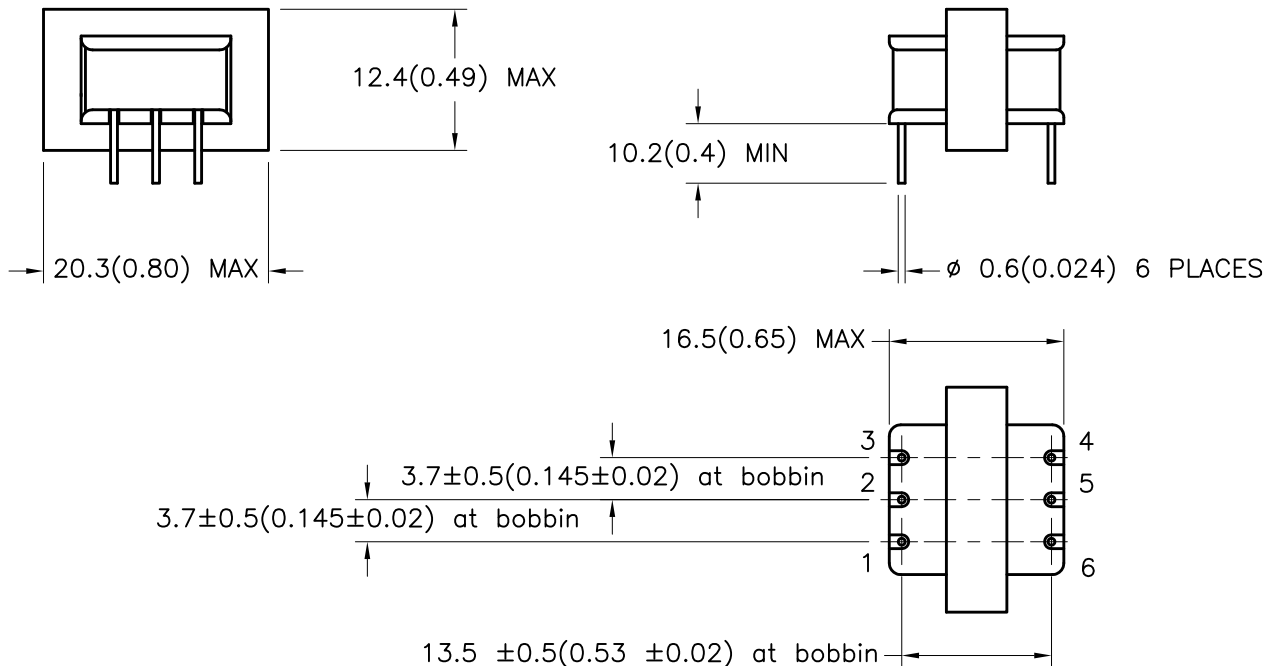
C. Safety: CSA C22.2 No. 66-M1988 File No. 081383
UL 1459 2nd Edition File No. E142035

Safety approval logos

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

DWG CONTROL NO. REV
P-A1-10519 D
ACAD\TTC\A1105191.DWG

TELECOMMUNICATION COUPLING
TRANSFORMER

TTC-03
MODEL SPECIFICATION

SAFETY ENGINEER
B. OCONNELL

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

APPROVED:
Y. SEKIGUCHI

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