



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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TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω LOAD ON SECONDARY

MODEL NUMBER  
**TTC-118**

REV. Status

REVISION -  
01/09/92 HA

REVISION A  
TEMECULA WAS  
CARSON. ADDED  
SAFETY  
08/31/95 TS

REVISION B  
UPDATED LABEL  
02/09/96 TS

REVISION C  
ADDED RoHS.  
UL1459 WAS  
UL1863  
12/13/06 MP

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

A. Electrical Specifications (@ 25°C)

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

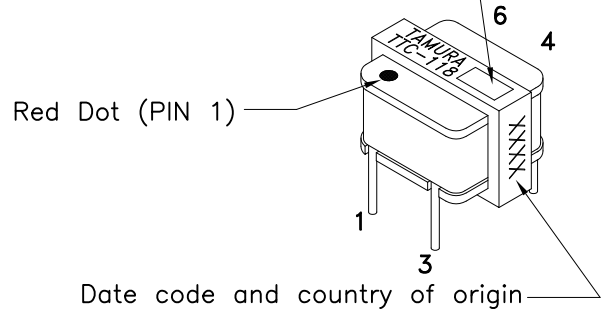


UL# E142035

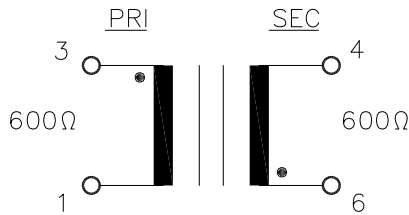
B. Marking; TTC-118, TAMURA, date code, country of origin and safety agency logos

C. Safety: CSA C22.2 No. 66-M1988 File No. 0181383  
UL 1459 2nd Edition File No. E142035

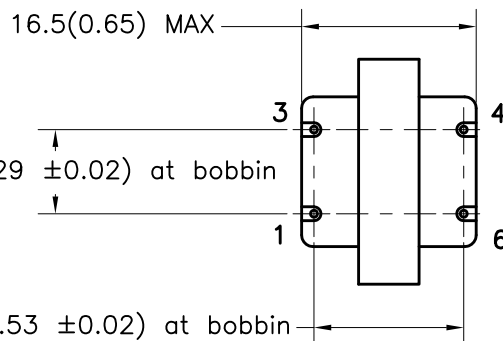
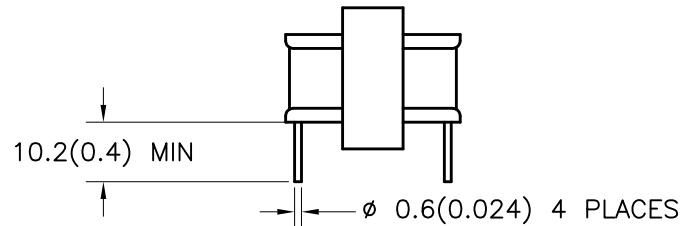
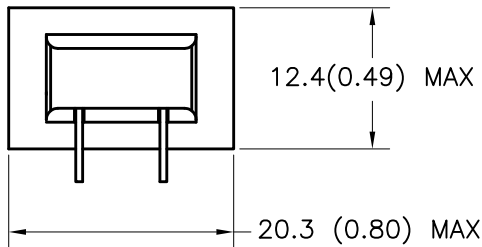
Safety logos



D. Schematic Diagram



E. Mechanical Specifications



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

PREPARED BY:

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APPROVED:

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DWG CONTROL NO.  
P-A1-10333  
ACAD/TTC/A1103331.DWG

REV  
D

TELECOMMUNICATION COUPLING  
TRANSFORMER

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**TTC-118**

MODEL SPECIFICATION

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

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