

REV. Status

REVISION -  
3/30/95 TS

REVISION D  
TEMECULA  
-WAS-  
CARSON  
1/13/93 TS

REVISION E  
UPDATED  
FORMAT AND  
ADDED SAFETY  
5/26/95 TS

REVISION F  
DEL NOTE 7  
Pri Impedance;  
500Ω ±15% @  
1KHz, 0.145V,  
DC0mA  
6/12/95 TS

REVISION G  
ADDED  
STANDOFF DIM  
04/08/98 TS

REVISION H  
NEW  
FORMAT  
07/02/98 TS

MINIATURE FCC68 TELECOMMUNICATION DRY COUPLING TRANSFORMER 600:600

A. Electrical Specifications (@ 25° C)

1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω
3. Pri DC Current; 0mA MAX (1-3)
4. Operating Level; 0dBm MAX
5. Insertion Loss;  
1.5dB MAX @ 1KHz, DC0mA
6. Frequency Response (relative to 1KHz);  
±0.5dB @ 300Hz to 3.5KHz, 1V, DC0mA
7. Longitudinal Balance; 60dB min @ 200Hz to 4KHz
8. DC Resistance;  
(1-3) = 47Ω ±15%  
(4-6) = 61Ω ±15%
9. Turns Ratio; (1-3) : (4-6) = 1 : 1.00 ±2%
10. Dielectric Strength;  
1500 Vrms 1 minute @ Pri to Sec, Pri to Core  
1000 Vrms 1 minute @ Sec to Core

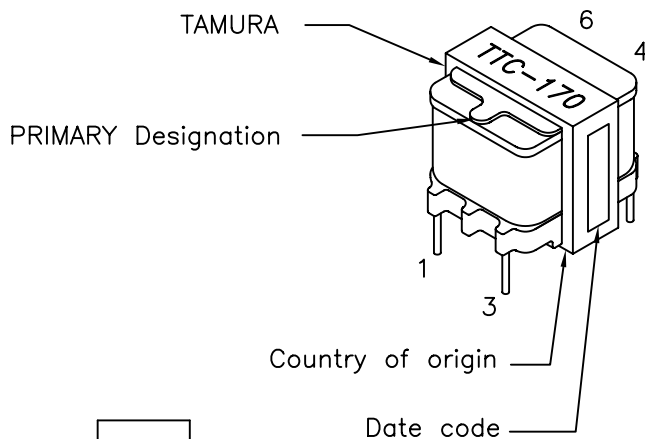
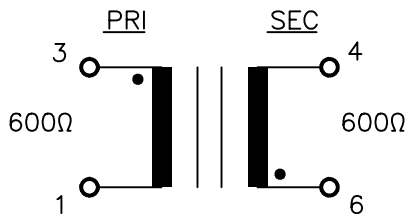


MODEL NUMBER  
**TTC-170**

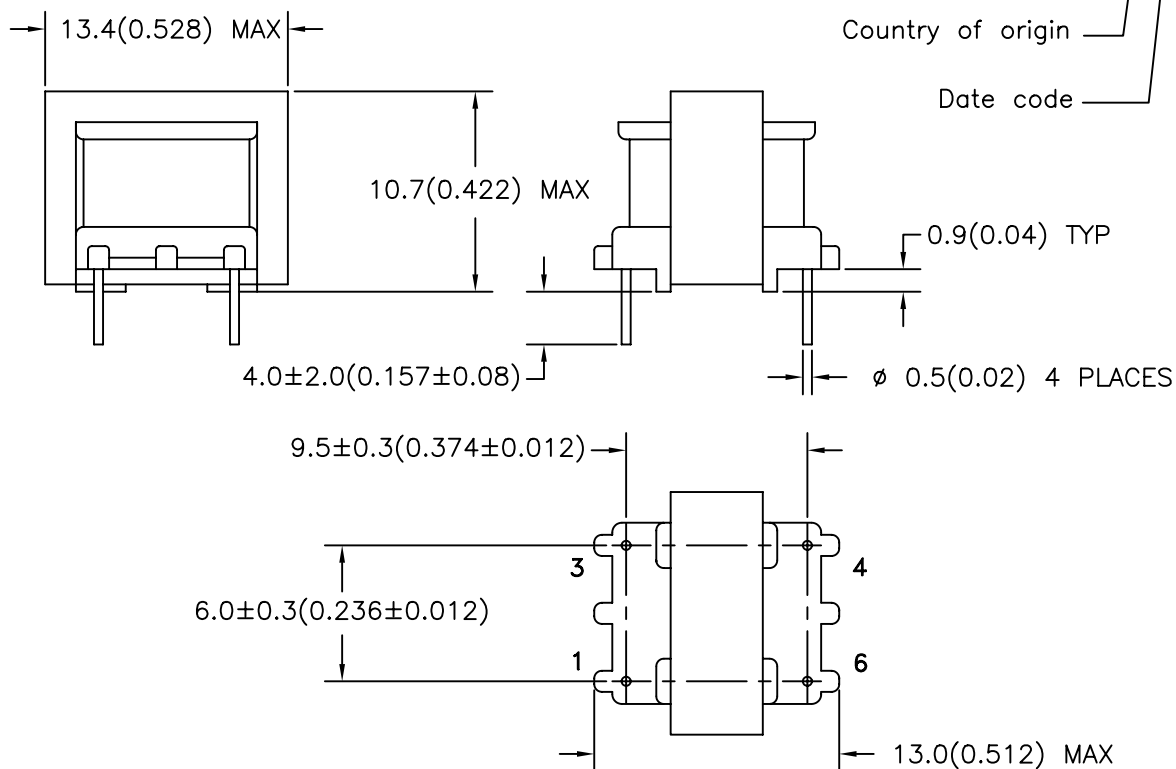
B. Marking; TTC-170, TAMURA, Date Code and Country of origin

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

D. Schematic Diagram



E. Mechanical Specifications



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QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.  
P-A1-10166  
ACAD\TTC\A1101661.DWG

REV  
H

TELECOMMUNICATION COUPLING  
TRANSFORMER

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**TTC-170**

MODEL SPECIFICATION

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

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