

## REV. Status

ISSUE 1  
1/8/92 HAISSUE 2  
TEMECULA  
WAS CARSON  
UPDATED LABEL  
ADDED SAFETY  
REVISED DIM  
20.3(0.80)MAX  
WAS  
19.8(0.78)MAX  
02/06/96 TSTELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 4K $\Omega$  WITH 600 $\Omega$  LOAD ON SECONDARY

## A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance;  
4K $\Omega$   $\pm$ 10% 300 Hz to 3.5 KHz, 0 dBm
2. Sec Load Impedance; 600 $\Omega$
3. Operating Level; -45 dBm to +7 dBm
4. Insertion Loss;  
1.5 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response (relative to 1 KHz);  
 $\pm$ 0.5 dB @ 300 Hz to 3.5 KHz, 0 dBm
6. Total Harmonic Distortion; 0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
7. Longitudinal Balance; 60 dB MIN @ 200 Hz to 4 KHz
8. DC Resistance;  
(1-3)= 365  $\Omega$  MAX  
(4-6)= 60.5  $\Omega$  MAX
9. Turns Ratio; (1-3) : (4-6) = 1 : 0.409  $\pm$ 2%
10. Dielectric Strength;  
1500 Vrms, 1 minute @ Pri to Sec, Pri to Core  
1000 Vrms, 1 minute @ Sec to Core



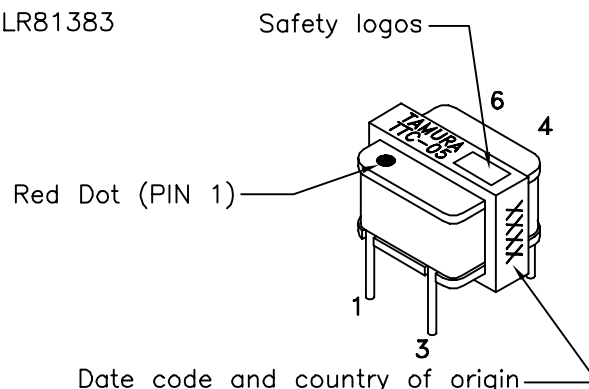
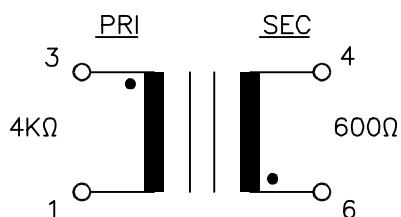
MODEL NUMBER

TTC-05

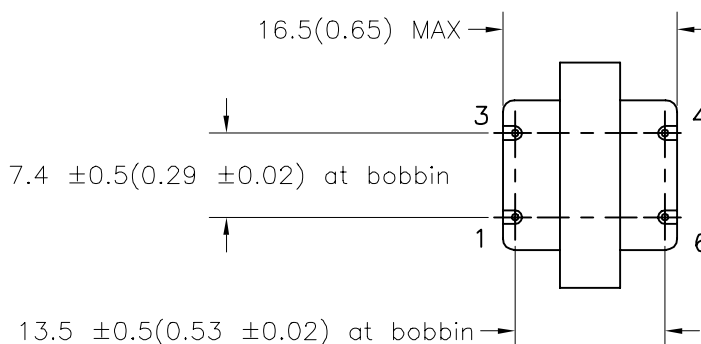
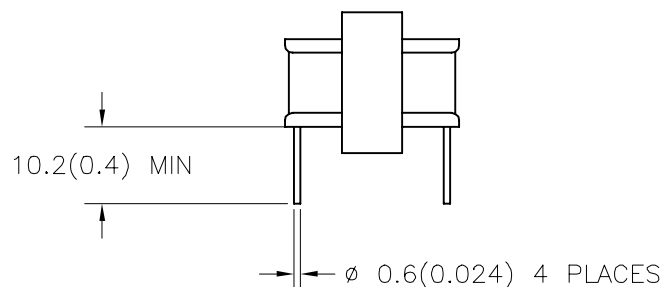
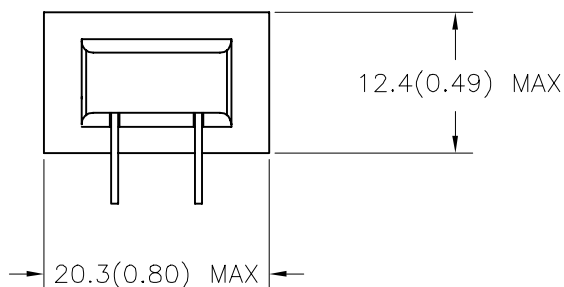
## B. Marking; TTC-05, TAMURA, date code, country of origin and safety agency logos

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

## D. Schematic Diagram



## E. Mechanical Specifications



## TOLERANCES (mm)

$\leq 4 \pm 0.2$   
 $4 \leq 20 \pm 0.3$   
 $20 \leq 50 \pm 0.4$

PREPARED BY:

K. Brennan

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

V. Casey

APPROVED:

V. Casey

DWG CONTROL NO.

P-A1-10521

ACAD\TTC\A1105211.DWG

REV

A

TELECOMMUNICATION COUPLING  
TRANSFORMER

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

TTC-05

MODEL SPECIFICATION

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

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