

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 TS

TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 4KΩ WITH 600Ω LOAD ON SECONDARY

MODEL NUMBER

TTC-05



UL# E142035

A. Electrical Specifications (@ 25 ° C)

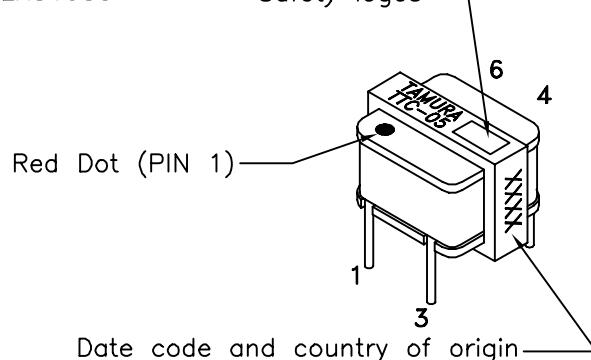
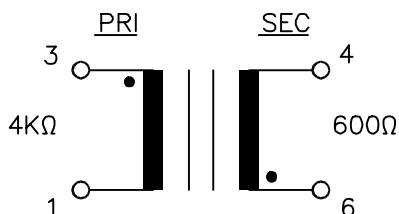
1. Pri Source Impedance; 4KΩ ±10% 300 Hz to 3.5 KHz, 0 dBm
2. Sec Load Impedance; 600Ω
3. Operating Level; -45 dBm to +7 dBm
4. Insertion Loss; 1.5 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response (relative to 1 KHz); ±0.5 dB @ 300 Hz to 3.5 KHz, 0 dBm
6. Total Harmonic Distortion; 0.5% MAX @ 300 Hz to 3.5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

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

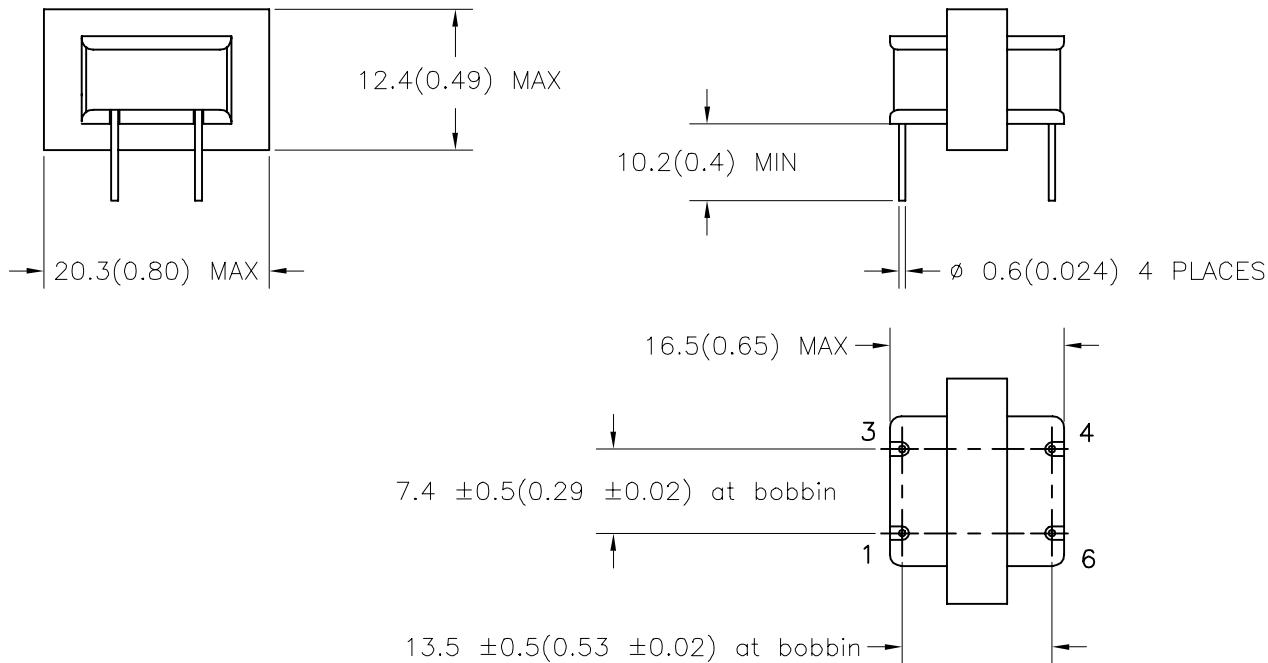
C. Safety: CSA C22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035

Safety logos

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:

DWG CONTROL NO. REV
P-A1-10521
ACAD\TTC\A110521.DWG ATELECOMMUNICATION COUPLING
TRANSFORMER

TTC-05

QUALITY CONTROL:

CONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICETAMURA CORPORATION OF AMERICA
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(909) 699-1270 FAX 9096769482

MODEL SPECIFICATION

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

APPROVED:

V. Casey

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