

REV. Status

ISSUE 1  
1/8/92 HA

ISSUE 2  
TEMECULA  
WAS CARSON  
6/5/95 TS

ISSUE 3  
MOVED SAFETY  
LOGOS  
8/16/95 TS

ISSUE 4  
UPDATED  
LABEL  
01/31/96 TS

ISSUE 5  
REVISED DIMS  
10.2(0.40)MIN  
WAS  
7.9(0.31)MIN  
16.5(0.65)MAX  
WAS  
17.0(0.67)MAX  
01/06/96 TS

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

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; 1.5 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)= 72 Ω MAX (4-6)= 90 Ω MAX
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

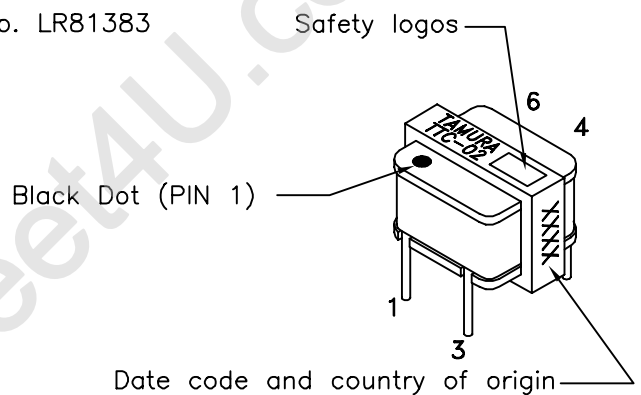
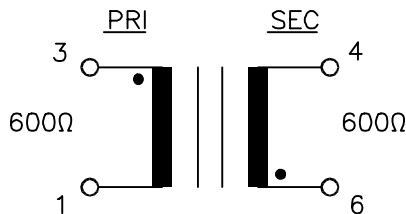


MODEL NUMBER  
**TTC-02**

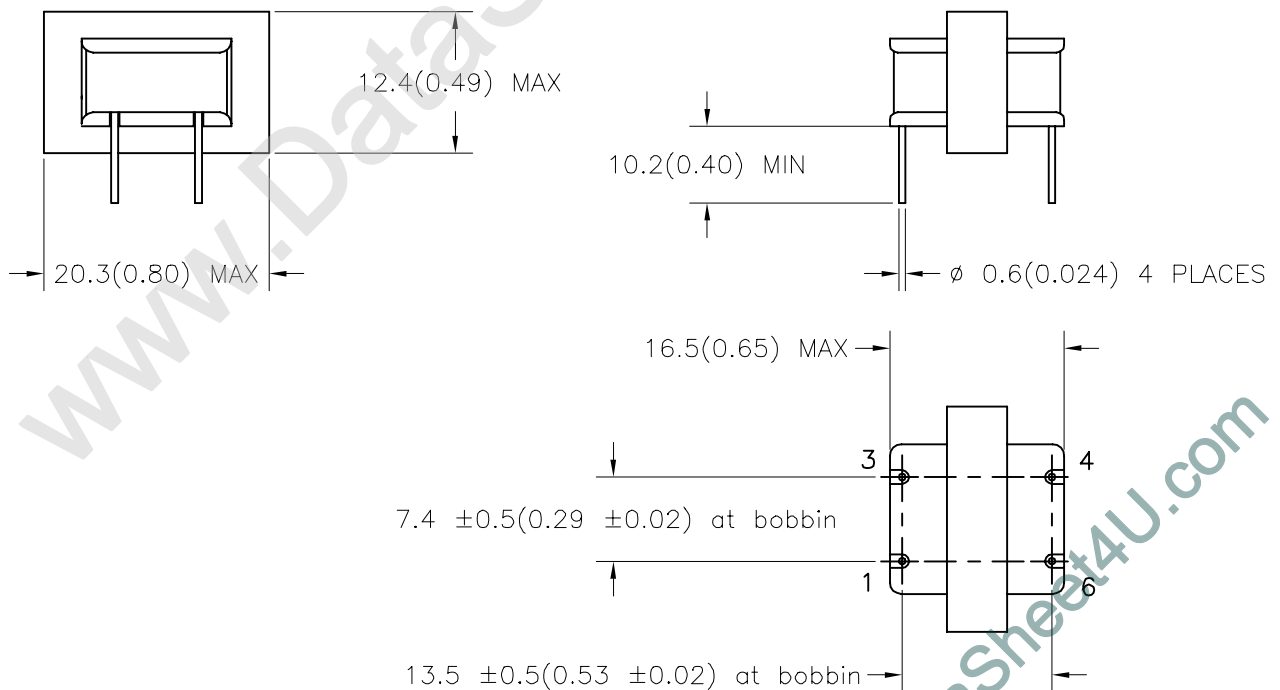
B. Marking; TTC-02, TAMURA, date code, country of origin and safety agency logos

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

D. Schematic Diagram



E. Mechanical Specifications



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

PREPARED BY:

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ENGINEER:

T. Shiozawa

QUALITY CONTROL:

V. Casey

APPROVED:

V. Casey

DWG CONTROL NO.  
P-A1-10518  
ACAD\TTC\A1105181.DWG

REV  
D

TELECOMMUNICATION COUPLING  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
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(909) 699-1270 FAX 9096769482

**TTC-02**

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

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