

REV. Status

ISSUE 1  
1/8/92 HA

ISSUE 2  
TEMECULA  
WAS CARSON  
ADDED SAFETY  
UPDATED NP  
REVISED DIM  
20.3(0.80)MAX  
WAS  
19.8(0.781)MAX  
01/06/96 TS

A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 600 Ω CT
2. Sec Load Impedance; 600 Ω CT
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. Primary Impedance; 600Ω ±10% @ 300 Hz to 3.5 KHz, 0 dBm
7. Return Loss; 26 dB MIN (ERL measurement)
8. Longitudinal Balance; 60 dB MIN @ 200 Hz to 4 KHz
  - 40 dB MIN @ 4 KHz
9. DC Resistance;
  - (1-3)= 46 Ω MAX
  - (4-6)= 63 Ω MAX
10. Turns Ratio; (1-3) : (4-6) = 1 : 1.06 t±2%
11. Dielectric Strength;
  - 1500 Vrms, 1 minute @ Pri to Sec, Pri to Core
  - 1000 Vrms, 1 minute @ Sec to Core

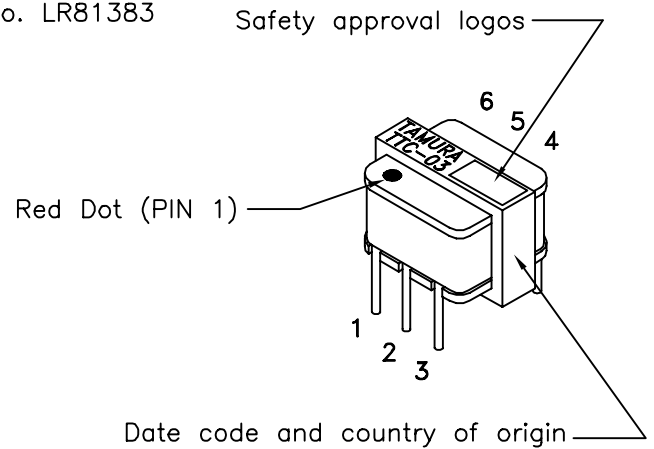
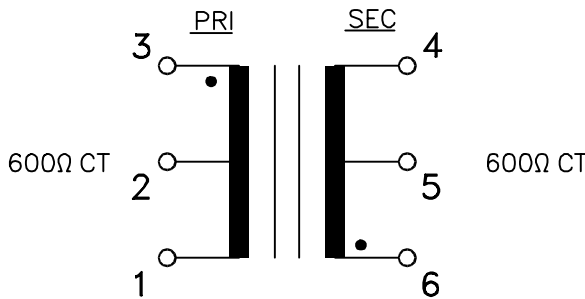


MODEL NUMBER  
**TTC-03**

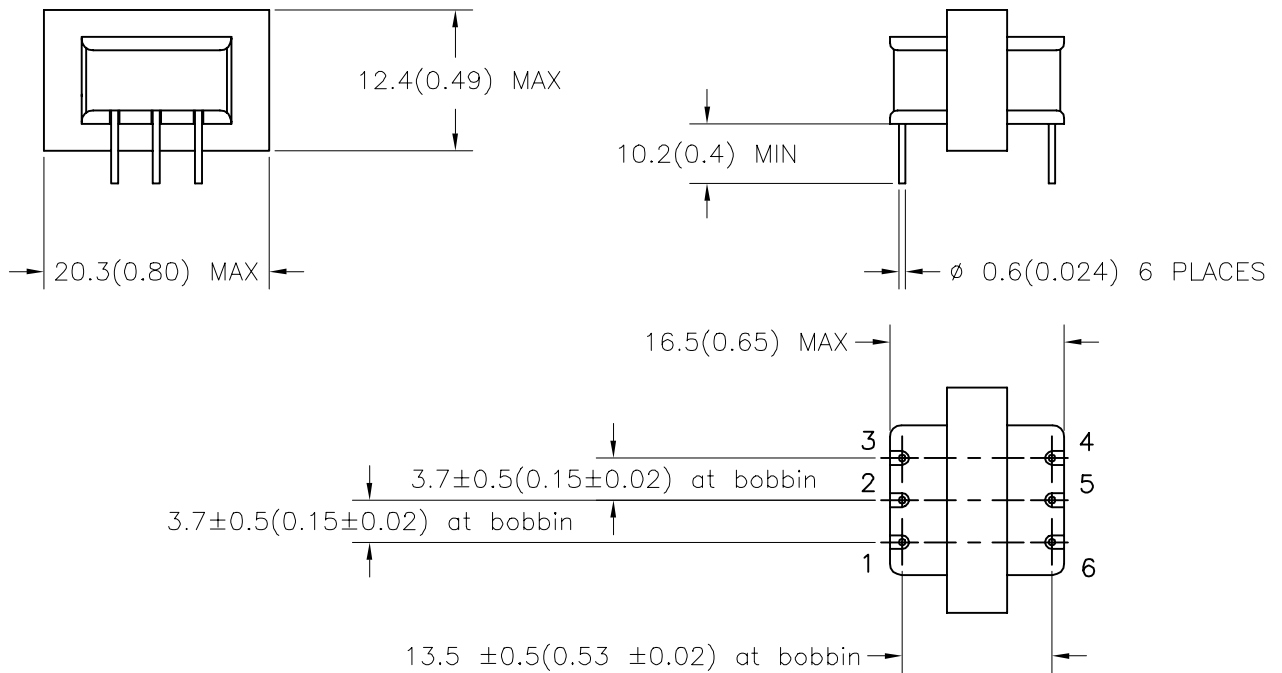
B. Marking; TTC-03, TAMURA, date code, country of origin, and safety agency agency logos

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:

K. Brennan

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

V. Casey

APPROVED:

V. Casey

DWG CONTROL NO.  
P-A1-10519  
ACAD\TTC\A1105191.DWG

REV  
A

TELECOMMUNICATION COUPLING  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

**TTC-03**  
MODEL SPECIFICATION  
DIM: mm(In) SCL: NONE SH: 1 OF 1

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