

REV. Status

REVISION -
11/7/95 TSREVISION A
NEW
FORMAT
07/08/98REVISION B
CHANGED C
WAS UL1865
CHANGED E PIN
LENGTH WAS 3.0
03/08/00 TS

.625" LOW PROFILE HIGH PERFORMANCE TELECOMMUNICATIONS TRANSFORMER 600CT:600CT

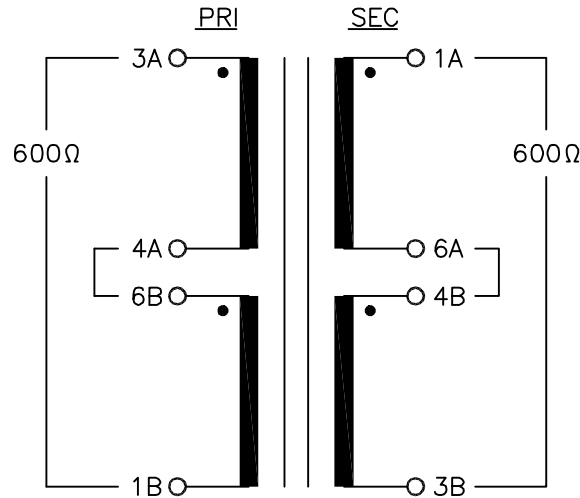
A. Electrical Specifications (at 25° C)

1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Current; 80mA MAX
4. Operating Level; -45dBm to +7dBm
5. Insertion Loss;
2.2dB MAX at 1KHz, 0dBm, DC80mA.
6. Frequency Response (relative to 1KHz)
 ± 0.5 dB from 300Hz to 3.5KHz, 0dBm, DC80mA
7. Return Loss; 28dB TYP at 320 Ω plus 0.064 μ F parallel load
14dB TYP at 600 Ω load
8. Longitudinal Balance; 60dB MIN from 200Hz to 1KHz
9. DC Resistance;
(Pri) = 95 $\Omega \pm 10\%$
(Sec) = 180 $\Omega \pm 10\%$
10. Turns Ratio; (Pri) : (Sec) = 1 : 1.00 $\pm 2\%$
11. Dielectric Strength;
1500Vrms 1 minute from Pri to Sec, Pri to Core
1000Vrms 1 minute from Sec to Core
150Vrms 1 minute from Sec to Sec

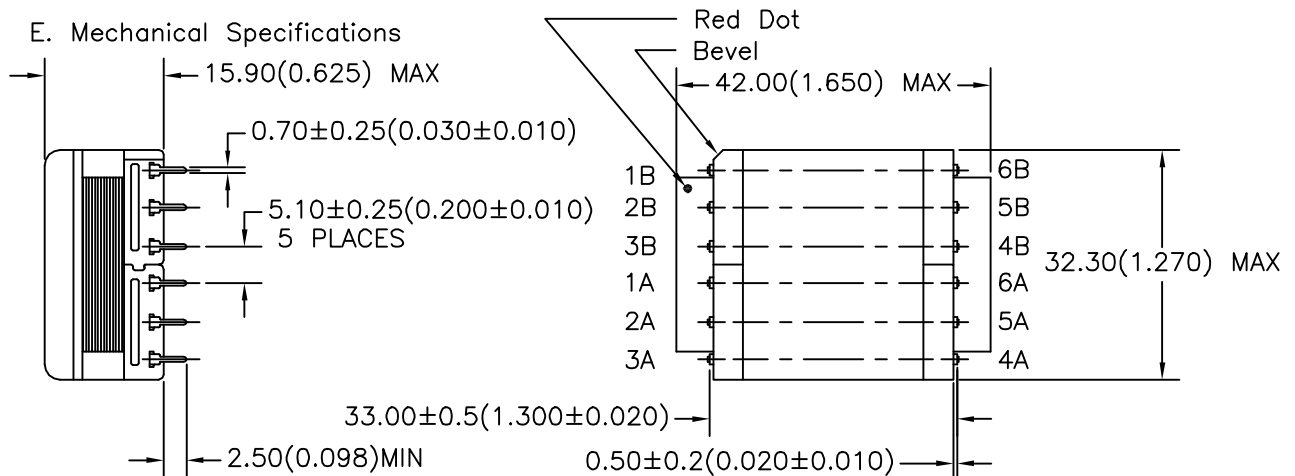
B. Marking; TAMURA, TTC-125, MICROTRAN, T9116, safety agency logos,
196-date code and country of originC. Safety: CSA C22.2 No. 66-M1988 File No. LR81383
UL 1459 File No. E142035

D. Schematic Diagram

Necessary external connections: Short 4A-6B, 6A-4B



E. Mechanical Specifications



TOLERANCES (mm)

≤ 4	± 0.2
$4 \leq 20$	± 0.3
$20 \leq 50$	± 0.4

PREPARED BY:

D. Rund

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.
P-A1-11450
ACAD\TTC\A1114501.DWGREV
BTELECOMMUNICATION COUPLING
TRANSFORMERTAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

TTC-125

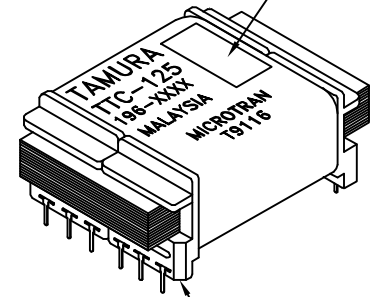
MODEL SPECIFICATION

DIM: mm(In) SCL: 1/1 SH: 1 OF 1

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.



SAFETY APPROVAL LOGOS



Bevel

MODEL NUMBER

TTC-125