

REV. Status

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

REVISION -  
11/7/95 TS

REVISION A  
NEW  
FORMAT  
07/08/98

REVISION B  
CHANGED C  
WAS UL1865  
CHANGED E PIN  
LENGTH WAS 3.0  
03/08/00 TS

- A. Electrical Specifications (at 25° C)
1. Pri Source Impedance; 600Ω
  2. Sec Load Impedance; 600Ω
  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) ±0.5dB from 300Hz to 3.5KHz, 0dBm, DC80mA
  7. Return Loss; 28dB TYP at 320Ω plus 0.064μF parallel load  
14dB TYP at 600Ω load
  8. Longitudinal Balance; 60dB MIN from 200Hz to 1KHz
  9. DC Resistance; 40dB MIN at 4KHz  
(Pri) = 95Ω ±10%  
(Sec) = 180Ω ±10%
  10. Turns Ratio; (Pri) : (Sec) = 1 : 1.00 ±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

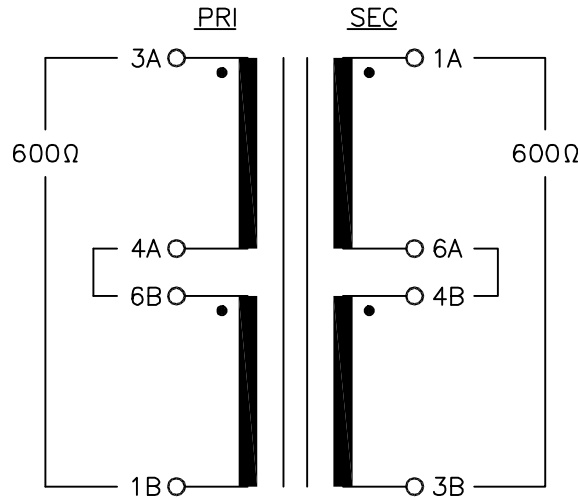
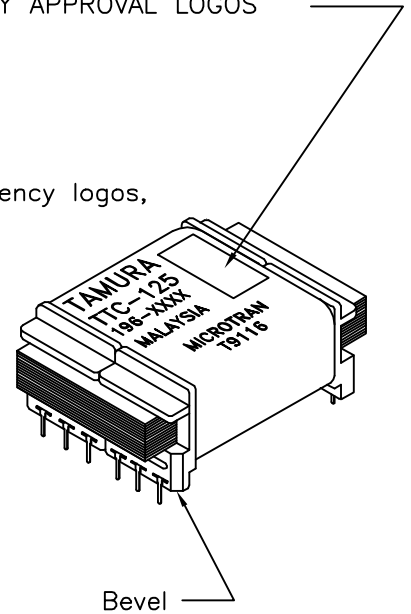


MODEL NUMBER

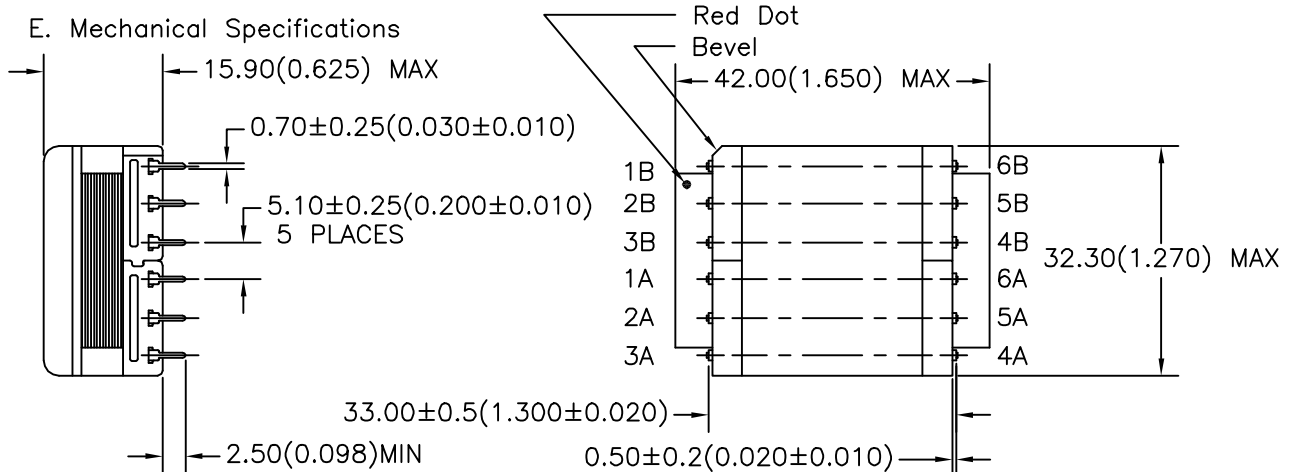
TTC-125

- B. Marking; TAMURA, TTC-125, MICROTRAN, T9116, safety agency logos, 196-date code and country of origin
- C. 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

SAFETY APPROVAL LOGOS



E. Mechanical Specifications



TOLERANCES (mm)	
≤ 4	± 0.2
4 ≤ 20	± 0.3
20 ≤ 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.DWG

REV  
B

TELECOMMUNICATION COUPLING  
TRANSFORMER

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**TTC-125**  
MODEL SPECIFICATION  
DIM: mm(In) SCL: 1/1 SH: 1 OF 1

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