

REV. Status

ISSUE 2
REVISED AND
REDRAWN ON
CAD/CAM
01/08/92 HA

ISSUE 3
TEMECULA
WAS CARSON
01/26/93 TS

ISSUE 4
ADDED DCM21-PC
MICROTRAN
AND SAFETY
01/20/96 TS

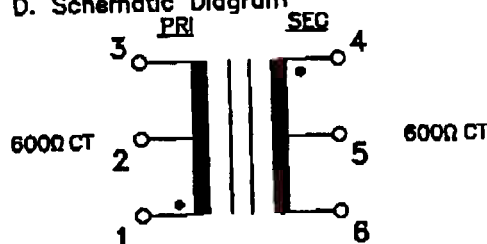
TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600ΩCT WITH 600ΩCT LOAD ON SECONDARY



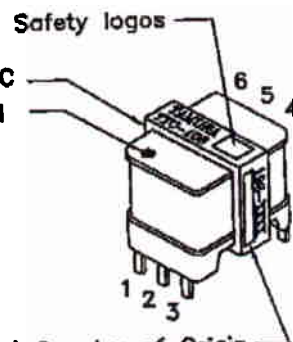
MODEL NUMBER

TTC-108

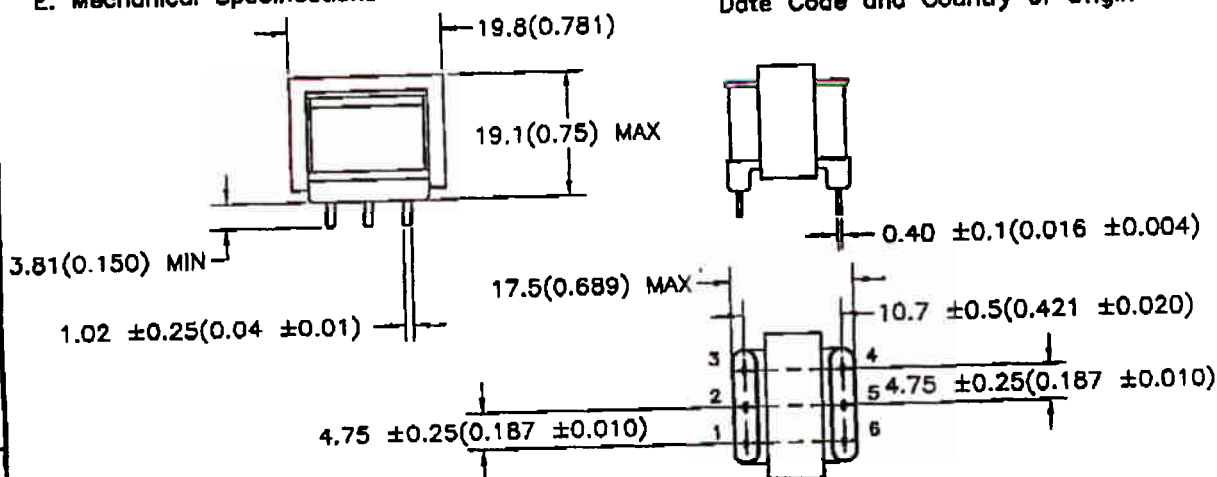
- A. Electrical Specifications (● 25 ° C)
1. Pri Source Impedance; 600Ω CT
 2. Sec Load Impedance; 600Ω CT
 3. Operating Level; -45 dBm to +7 dBm
 4. Insertion Loss;
1.4 dB MAX @ 1 KHz, 0 dBm
 5. Frequency Response;
±0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
 6. Primary Impedance;
600 Ω +15%, -5% @ 300 Hz to 3.5 KHz, 0dBm
600 Ω +10%, -5% @ 500 Hz to 2.5 KHz, 0dBm
 7. Longitudinal Balance;
60 dB MIN @ 200 Hz to 1 KHz
40 dBm MIN @ 4 KHz
 8. DC Resistance;
(1-3) = 44 Ω ±20%
(4-6) = 56 Ω ±20%
9. Turns Ratio; (1-3) : (4-6) = 1 : 1.00 ±2%
 10. Dielectric Strength;
1500 Vrms 1 minute @ Pri to Sec, and Pri to Core
1000 Vrms 1 minute @ Sec to Core
 11. Total Harmonic Distortion;
0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
 12. Induced Voltage; (1-3) 250 Vrms 5 KHz 1 minute
- B. Marking; TTC-108, TAMURA, DCM21-PC, MICROTRAN, safety agency logos,
198-date code and country of origin
- C. Safety; CSA-22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035
- D. Schematic Diagram



MICROTRAN and DCM21-PC
Red Dot PIN 1



E. Mechanical Specifications



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

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APPROVED:

V. Casey

DWG CONTROL NO. REV
P-A1-10017 C
ACAD\TTC\A1100171.DWG

TELECOMMUNICATION COUPLING
TRANSFORMER

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TTC-108
MODEL SPECIFICATION

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

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