TAMURA

REV.	Status
REVISION A	01/08/92 HA
REVISION B	TEMECULA WAS CARSON 01/26/93 TS
REVISION C	ADDED DCM21-PC MICROTRAN AND SAFETY 01/20/96 TS
REVISION D	ADDED RoHS. UL1459 WAS UL1863. DIM 20.3(0.799) WAS 19.8(0.781) 10/17/06 MP

MODEL NUMBER **TTC-108**

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

RoHS COMPLIANT

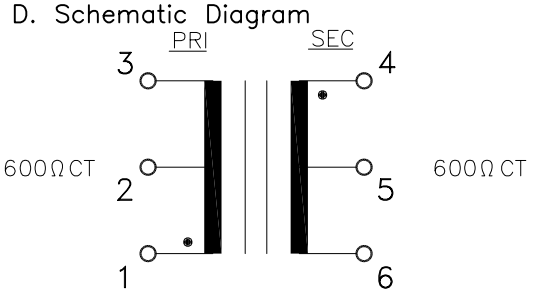
A. Electrical Specifications (@ 25° C)
1. Pri Source Impedance; 600Ω CT
2. Sec Load Impedance; 600Ω CT
3. Operating Level; −45 dBm to +7 dBm
4. Insertion Loss;
   1.4 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response;
   ±0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
6. Primary Impedance;
   600 Ω +15%, −5% @ 300 Hz to 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

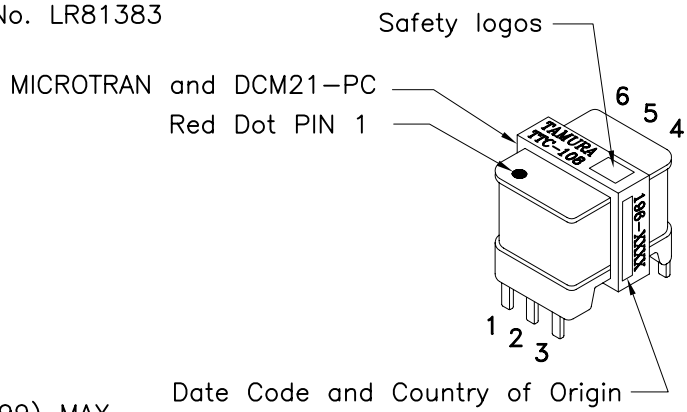
UL# E142035

B. Marking; TTC−108, TAMURA, DCM21−PC, MICROTRAN, safety agency logos, 196−date code and country of origin

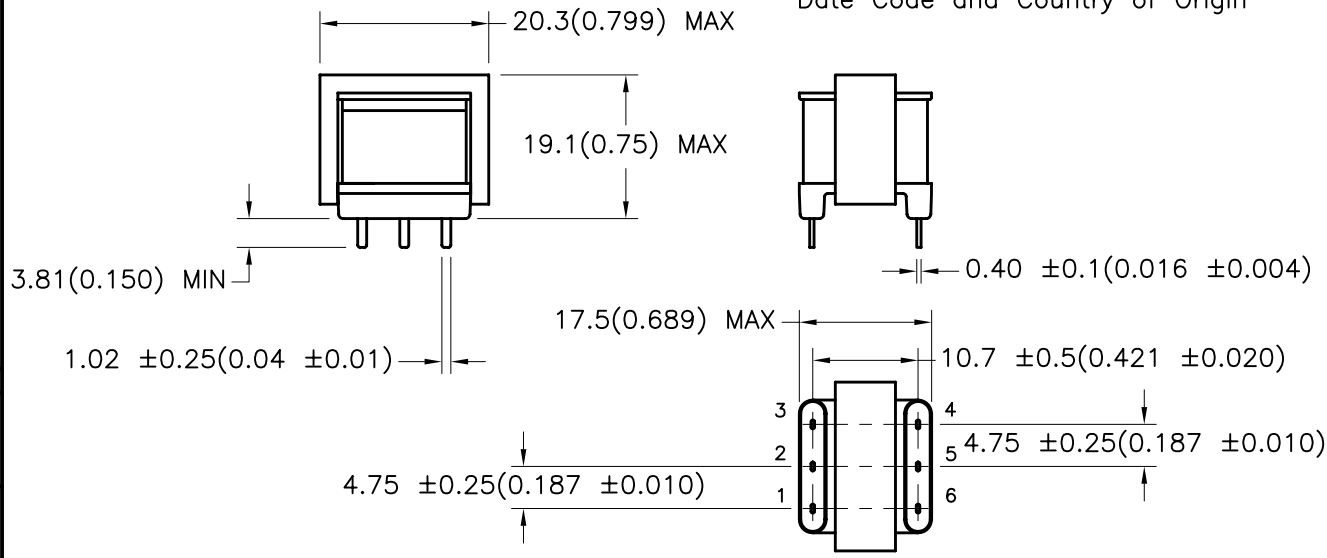
C. Safety; CSA−22.2 No. 66−M1988 File No. LR81383
UL 1459 File No. E142035

D. Schematic Diagram





E. Mechanical Specifications



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

PREPARED BY: K. BRENNAN

ENGINEER: M. PITCHAI

QUALITY CONTROL: T. CLEM

APPROVED: Y. SEKIGUCHI

DWG CONTROL NO. P−A1−10017 ACAD\TTC\A1100171.DWG | REV D

TELECOMMUNICATION COUPLING TRANSFORMER

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590−6624
(951) 699−1270 FAX 9516769482

TTC−108
MODEL SPECIFICATION

DIM: mm[In] | SCL: 1/1 | SH: 1 OF 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Tamura:
TTC-108