



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

MODEL NUMBER
TTC-09

REV. Status

REVISION -
01/08/92 HA

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

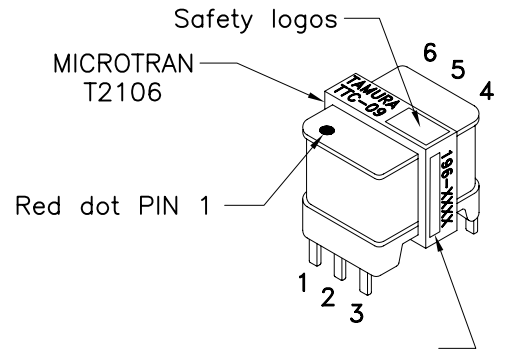
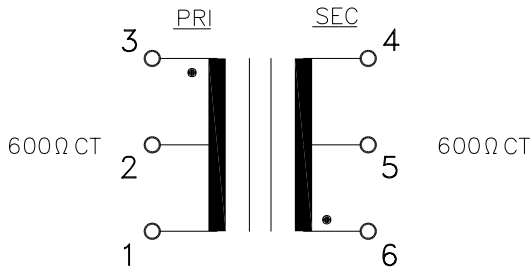
REVISION B
REV A.1 & A.2
ADDED "CT"
01/19/96 TS

REVISION C
ADDED RoHS.
UL1459 WAS
UL1863.
DIM 20.3(0.799)
WAS 19.8(0.781)
10/17/06 MP

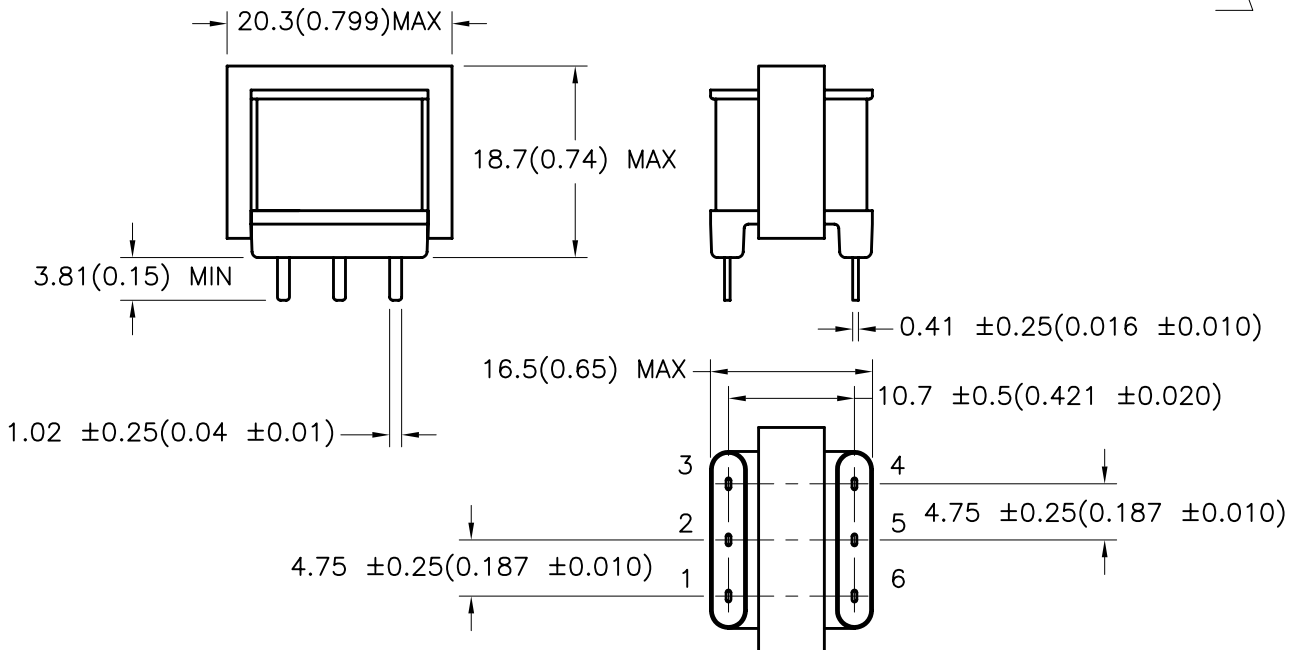
- A. Electrical Specifications (@ 25 ° C)
- Pri Source Impedance; 600 Ω CT
 - Sec Load Impedance; 600 Ω CT
 - Operating Level; -45 dBm to +7 dBm
 - Insertion Loss; 1.2 dB MAX @ 1 KHz, 0 dBm
 - Frequency Response;
±0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
 - Primary Impedance;
600 Ω ±10% @ 300 Hz to 3.5 KHz, 0 dBm
 - Total Harmonic Distortion; 0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
 - Return Loss; 22 dB MIN (ERL measurement)
26 dB TYP
 - Longitudinal Balance;
60 dB MIN @ 200 Hz to 1 KHz
40 dB MIN @ 4 KHz
 - DC Resistance;
(1-3) = 36 Ω ±20%
(4-6) = 50 Ω ±20%
 - Turns Ratio; (1-3) : (4-6) = 1 : 1.03 ±2%
 - Dielectric Strength;
1500 Vrms 1 minute @ Pri to Sec, Pri to Core
1000 Vrms 1 minute @ Sec to Core
- B. Marking; TTC-09, TAMURA, T2106, MICROTRAN, 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



E. Mechanical Specifications



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

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ENGINEER:
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QUALITY CONTROL:
T. CLEM

APPROVED:
Y. SEKIGUCHI

DWG CONTROL NO.
P-A1-10522
ACAD\TTC\A1105221.DWG

REV
C

TELECOMMUNICATION COUPLING
TRANSFORMER

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TTC-09
MODEL SPECIFICATION

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

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