

REV. Status

ISSUE 1
1/8/92 HA

ISSUE 2
TEMECULA
WAS CARSON
ADDED SAFETY
01/29/96 TS

TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE FROM -45 dBm TO +7 dBm IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROX. 600 Ω WITH 600 Ω LOAD ON SECONDARY:

A. Electrical Specifications (@ 25 ° C)

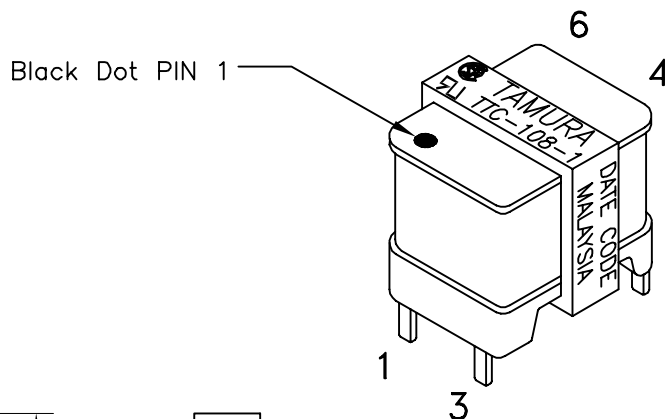
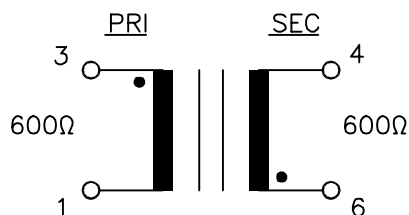
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Frequency Response; ± 0.5 dB @ 300 Hz to 3.5 KHz, 0 dBm
4. Operating Level; -45 dBm to +7 dBm
5. Insertion Loss; 1.4 dB MAX @ 1 KHz, 0 dBm
6. Primary Impedance;
600 $\Omega \pm 15\%$ @ 300 Hz to 3.5 KHz, 0 dBm
600 $\Omega \pm 10\%$ @ 500 Hz to 2.5 KHz, 0 dBm
7. Longitudinal Balance;
60 dB MIN @ 200 Hz to 1 KHz
40 dBm MIN @ 4 KHz
8. DC Resistance;
(1-3) = 44 $\Omega \pm 20\%$
(4-6) = 56 $\Omega \pm 20\%$
9. Turns Ratio; (1-3) : (4-6) = 1 : 1.00 $\pm 2\%$
10. Dielectric Strength;
1500 Vrms 1 minute @ Pri to Sec, and Core
1000 Vrms 1 minute @ Sec to Core
11. Total Harmonic Distortion:
0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm

B. Marking; TTC-108-1, TAMURA, date code and country of origin

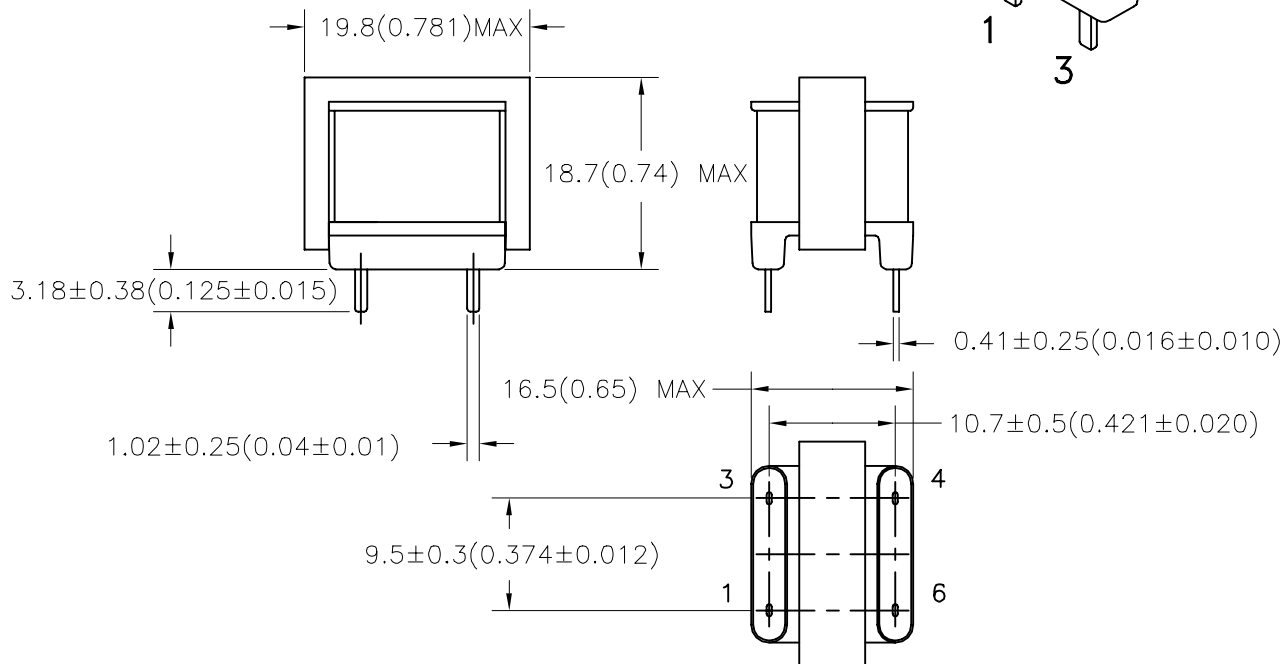
C. Safety; CSA C22.2 No. 66-M1988 File No. LR81383

UL 1863 File No. E142035

D. Schematic Diagram



E. Mechanical Specifications



TOLERANCES (mm)

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

PREPARED BY:

K. Brennan

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

V. Casey

APPROVED:

V. Casey

DWG CONTROL NO.

P-A1-10462

ACAD\TTC\A1104621.DWG

REV

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TELECOMMUNICATION DRY COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

TTC-108-1

MODEL SPECIFICATION

DIM: mm(In) SCL: NONE SH: 1 OF 1

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MODEL NUMBER

TTC-108-1