



REV. Status

REVISION -
01/09/92 HAREVISION A
REFORMATTED.
TEMECULA
WAS CARSON.
ADDED SAFETY
01/11/96 TSREVISION B
ADDED RoHS
UL1459 WAS
UL1863
01/20/06 YSREVISION C
DIM 20.3(0.799)
WAS 19.8(0.781)
10/17/06 YS

TELECOMMUNICATION DRY BRIDGING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 4K Ω WITH 600 Ω LOAD ON SECONDARY

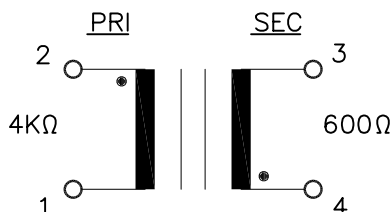
A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 4K Ω
2. Sec Load Impedance; 600 Ω
3. Operating Level; -45 dBm to +7 dBm
4. Insertion Loss;
1.2 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response;
 ± 0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
6. Primary Impedance;
4K $\Omega \pm 10\%$ @ 300 Hz to 3.5 KHz, 0 dBm
7. Total Harmonic Distortion;
0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
8. Longitudinal Balance;
60 dB MIN @ 200 Hz to 4 KHz
9. DC Resistance;
(1-3) = 225 $\Omega \pm 20\%$
(4-6) = 45 $\Omega \pm 20\%$
10. Turns Ratio; (1-3) : (4-6) = 1 : 0.397 $\pm 2\%$
11. Dielectric Strength;
1500 Vrms 1 minute @ Pri to Sec, Pri to Core
1000 Vrms 1 minute @ Sec to Core

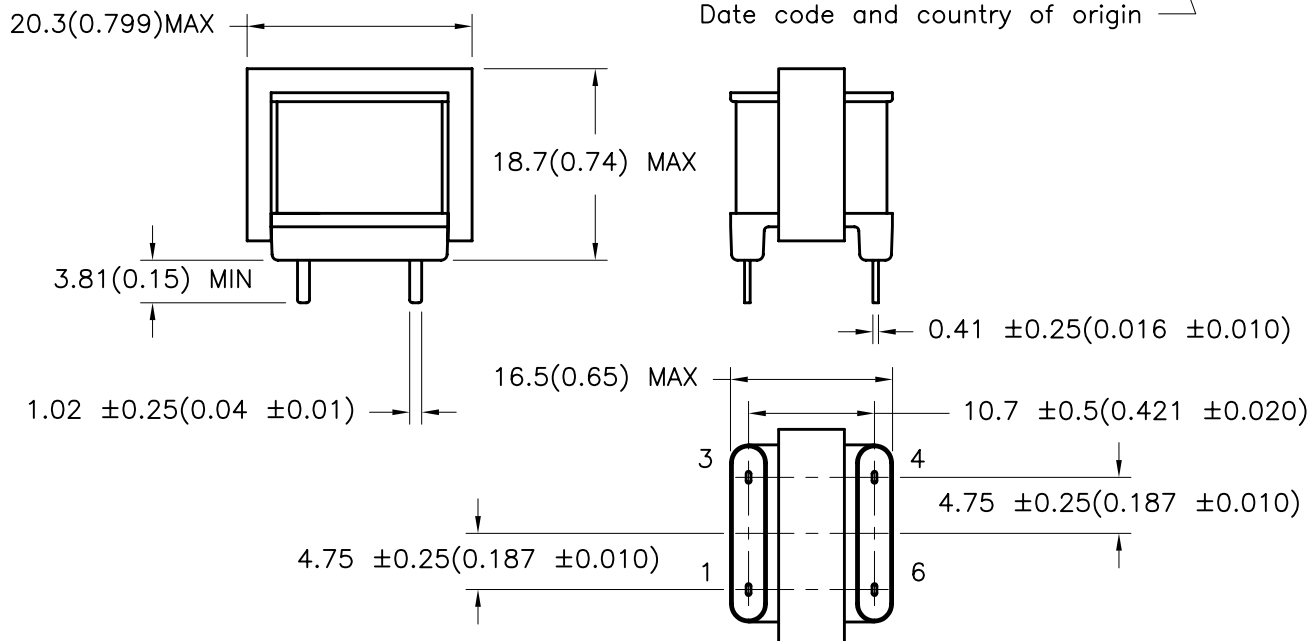
B. Marking; TTC-13, TAMURA, date code, country of origin and safety logos

C. Safety; CSA-22.2 No. 66-M1988 File No. LR81383
UL1459 File No. E142035

D. Schematic Diagram



E. Mechanical Specifications



TOLERANCES (mm)

$\leq 4 \pm 0.2$
 $4 \leq 20 \pm 0.3$
 $20 \leq 50 \pm 0.4$

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QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO.

P-A1-10524
ACAD\TTC\A1105241.DWG

REV

C

BRIDGING
TRANSFORMERCONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICE**TAMURA CORPORATION OF AMERICA**
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DIM: mm(In) SCL: 1/1 SH: 1 OF 1

TTC-13

MODEL SPECIFICATION

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



Safety logos

Red Dot PIN 1

Date code and country of origin

MODEL NUMBER

TTC-13