

REV. Status

ISSUE 1
1/8/92 HA

ISSUE 2
TEMECULA
WAS CARSON.
ADDED SAFETY.
SEC WAS 600?
01/10/96 TS

ISSUE 3
UPDATED LABEL
REVISED DIM
20.3(0.80)MAX
WAS
19.8(0.781)MAX
02/07/96 TS

TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAXIMUM LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF 600 Ω WITH 900 Ω LOAD ON SECONDARY

A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 900 Ω
3. Operating Level; -45 dBm to +7 dBm
4. Insertion Loss;
1.5 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response (relative to 1 KHz);
 ± 0.5 dB @ 300 Hz to 3.5 KHz, 0 dBm
6. Pri Impedance; 600 Ω $\pm 10\%$ @ 300 Hz to 3.5 KHz, 0 dBm
7. Return Loss; 22 dB MIN (ERL measurement)
26 dB TYP
8. Longitudinal Balance; 60 dB MIN @ 200 Hz to 4 KHz
9. DC Resistance;
(1-3) = 46 Ω $\pm 20\%$
(4-6) = 100 Ω $\pm 20\%$
10. Turns Ratio; (1-3) : (4-6) = 1 : 1.293 $\pm 2\%$
11. Dielectric Strength;
1500 Vrms, 1 minute @ Pri to Sec, Pri to Core
1000 Vrms, 1 minute @ Sec to Core



UL# E142035

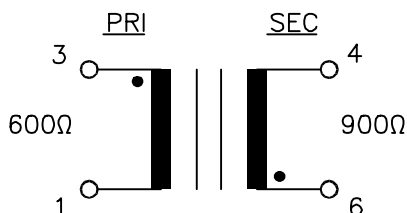
MODEL NUMBER

TTC-04

B. Marking; TTC-04, TAMURA TEMECULA, date code and country of origin

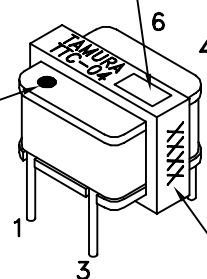
C. Safety; CSA-C22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035

D. Schematic Diagram



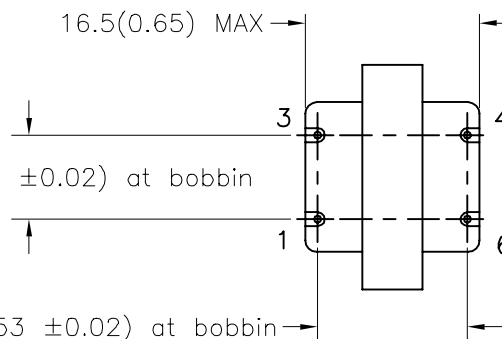
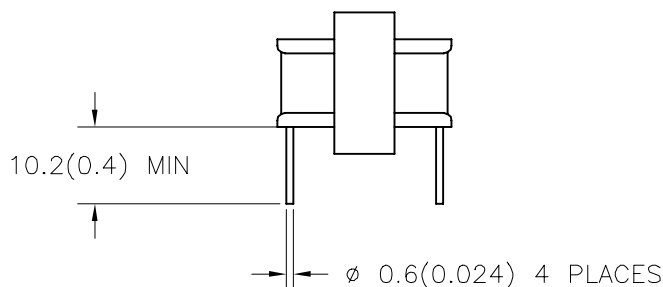
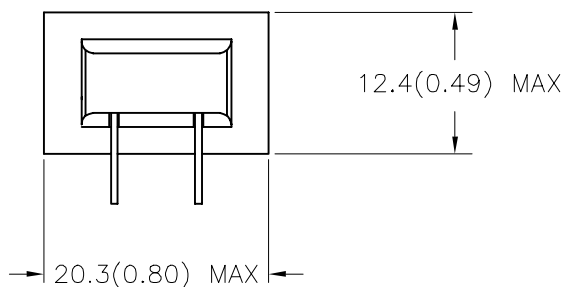
Red Dot (PIN 1)

Safety logos



Date code and country of origin

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:

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APPROVED:

V. Casey

DWG CONTROL NO.

P-A1-10520

ACAD\TTC\A1105201.DWG

REV

B

TELECOMMUNICATION COUPLING
TRANSFORMER

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TTC-04

MODEL SPECIFICATION

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

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