

TELECOMMUNICATION WET COUPLING TRANSFORMER DESIGNED FOR LOW PROFILE BOARD
MOUNTED APPLICATIONS WITH A MAXIMUM HEIGHT OF 9mm.

A. Electrical Specifications (@ 25 deg C)

1. Pri Source Impedance: 600 Ω
2. Sec Load Impedance: 600 Ω
3. Pri DC Unbalance Current: 90mA
4. Operating Level: -45 dBm to +10 dBm
5. Insertion Loss: 1.8 dB TYP @ 1800Hz 0 dBm & DC90mA
6. Frequency Response:
+0.3dB, -1.6dB @ 500-3500 Hz 0 dBm & DC90mA (relative to 1800Hz)
+0.3dB, -3.0dB @ 300-3500 Hz 0 dBm & DC90mA (relative to 1800Hz)
7. Pri Impedance: 600 Ω $\pm 25\%$ @ 500-1800 Hz 0 dBm & DC90mA
8. Pri Return Loss: 14 dB MIN @ 1800Hz 0 dBm & DC90mA
9. Longitudinal Balance: 60 dB MIN @ 200-4000 Hz
10. Total Harmonic Distortion: 0.5% TYP @ 300-3500 Hz 0 dBm & DC90mA
11. DC Resistance: Pri = 85 Ω $\pm 10\%$
Sec = 110 Ω $\pm 10\%$
12. Turns Ratio: Pri : Sec = 1 : 1.07 $\pm 2\%$
13. Dielectric Strength: AC 1500 Vrms 1 minute @ Pri to Sec, Pri to Core



UL# E142035

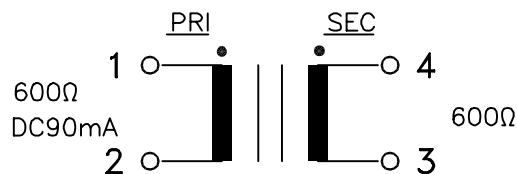
MODEL NUMBER

TTC-142-LB

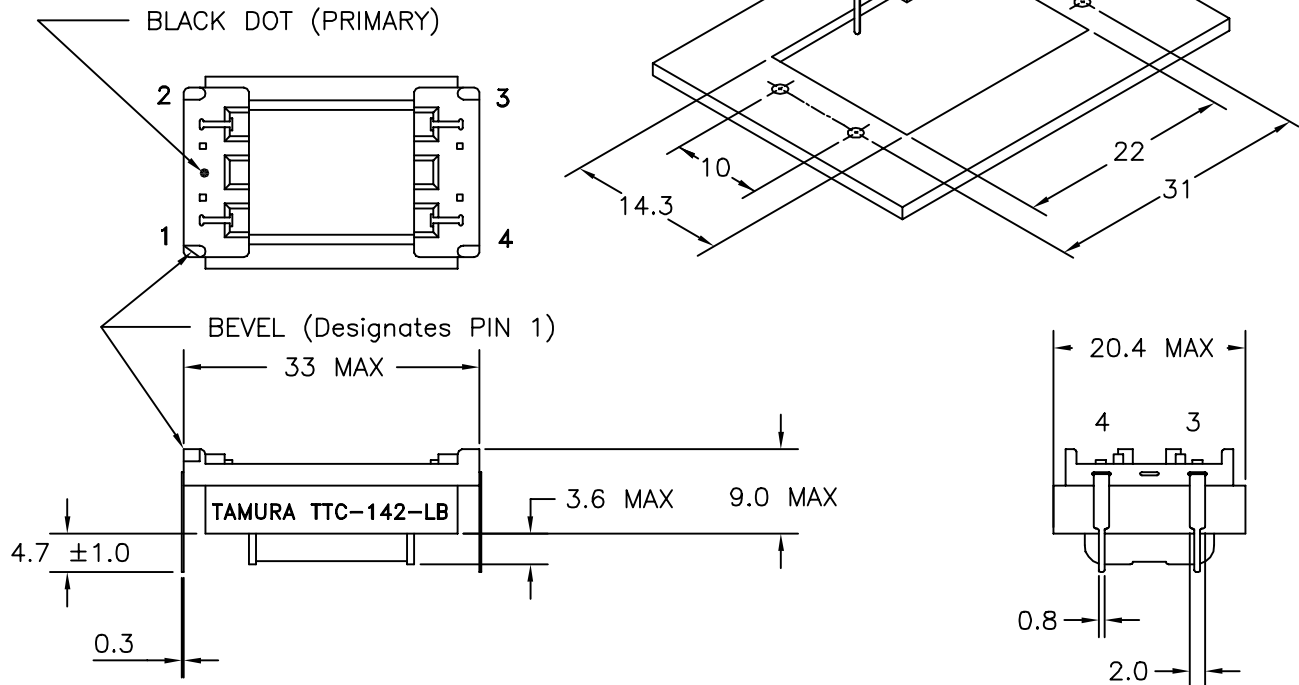
B. Marking: TAMURA, TTC-142-LB, Date Code & Country of Origin

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

D. Schematic Diagram:

DATE CODE AND
COUNTRY OF ORIGIN

E. Mechanical Specifications:



Note: Pin Material: Solder plated copper pin

PREPARED BY:

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ENGINEER:

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QUALITY CONTROL:

D. Kelley

APPROVED:

M. Ong

DRAWING CONTROL NO.

P-A1-10449

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MODEL DESCRIPTION

TELECOMMUNICATION COUPLING
TRANSFORMER

MODEL SPECIFICATION

TTC-142-LB

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PRIOR NOTICE

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DIM: mm

SCL: NONE

SH: 1 OF 1

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