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05/12/98 TS

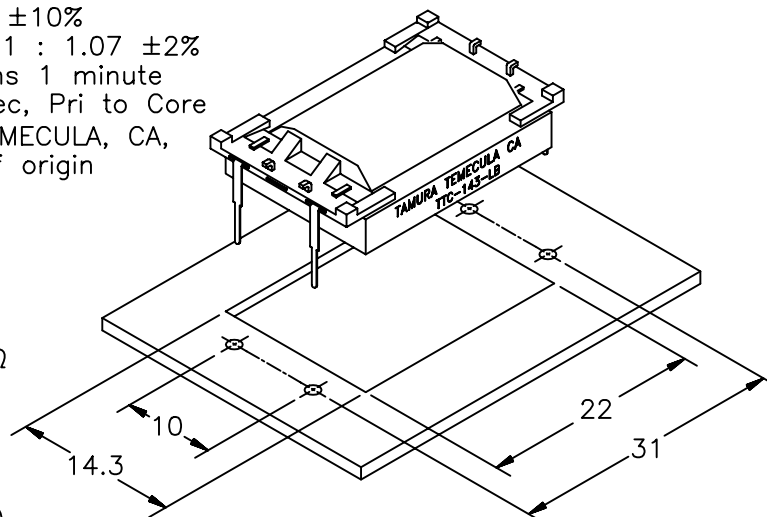
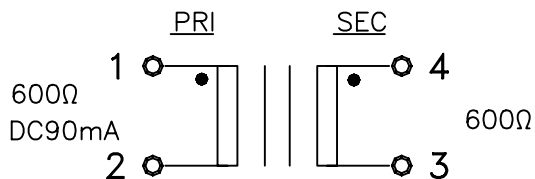
FCC68 DIRECT CONNECT TELEPHONE COUPLING TRANSFORMER 600:600

A. Electrical Specifications (@ 25° C)

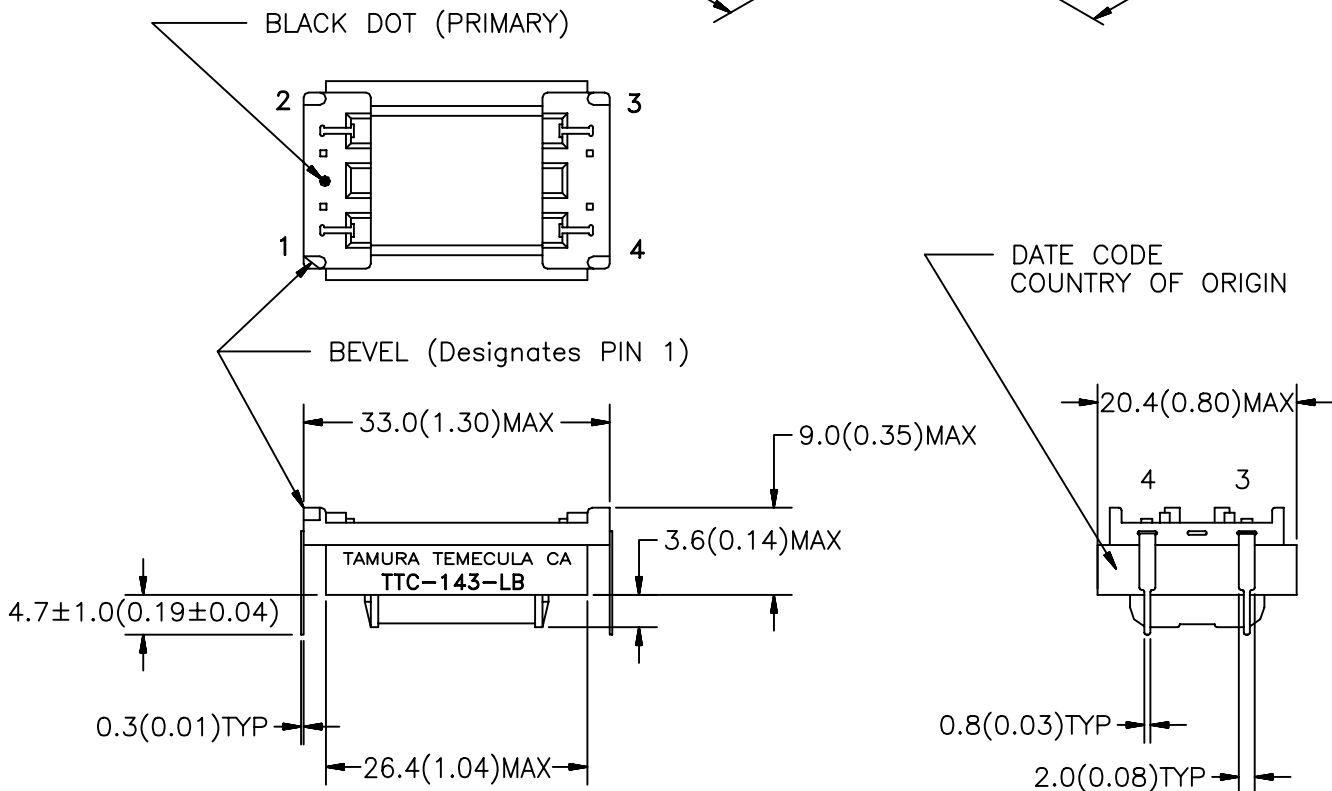
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Unbalance Current; 90mA
4. Operating Level; -45dBm to +10dBm
5. Insertion Loss; 1.8dB MAX @ 1800Hz 0dBm & DC90mA
6. Frequency Response;
 - +0.2dB, -1.1dB @ 500-3500Hz 0dBm & DC90mA (relative to 1800Hz)
 - +0.2dB, -2.5dB @ 300-3500Hz 0dBm & DC90mA (relative to 1800Hz)
7. Pri Impedance; 600 Ω ±20% @ 500-1800Hz 0dBm & DC90mA
8. Pri Return Loss; 14dB MIN @ 1800Hz 0dBm & DC90mA
9. Longitudinal Balance; 60dB MIN @ 200-4000Hz
10. Total Harmonic Distortion; 0.5% MAX @ 300-3500Hz 0dBm & DC90mA
11. DC Resistance; (1-2) = 85 Ω ±10%
(3-4) = 110 Ω ±10%
12. Turns Ratio; (1-2) : (3-4) = 1 : 1.07 ±2%
13. Dielectric Strength; AC 1500Vrms 1 minute
@ Pri to Sec, Pri to Core

B. Marking; TTC-143-LB, TAMURA TEMECULA, CA,
Date Code & Country of origin

C. Schematic Diagram



D. Mechanical Specifications



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

PREPARED BY:

D. Kelley

Note: Pin Material: Solder plated copper pin

ENGINEER:

T. Shiozawa

DRAWING CONTROL NO.
P-A1-10316
ACAD\TTC\A1103161.DWG

REV
F

MODEL DESCRIPTION
DIRECT CONNECT TELEPHONE
COUPLING TRANSFORMER

MODEL SPECIFICATION

TTC-143-LB

QUALITY CONTROL:

D. Kelley

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

APPROVED:

D. Suzuki

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MODEL NUMBER

TTC-143-LB