

REV. Status

REVISION E
REVISED AND
REDRAWN ON
CAD/CAM
01/02/92 HA

REVISION F
TEMECULA
WAS CARSON
05/12/98 TS

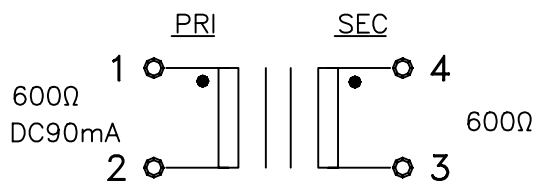
FCC68 DIRECT CONNECT TELEPHONE COUPLING TRANSFORMER 600:600

A. Electrical Specifications (@ 25° C)

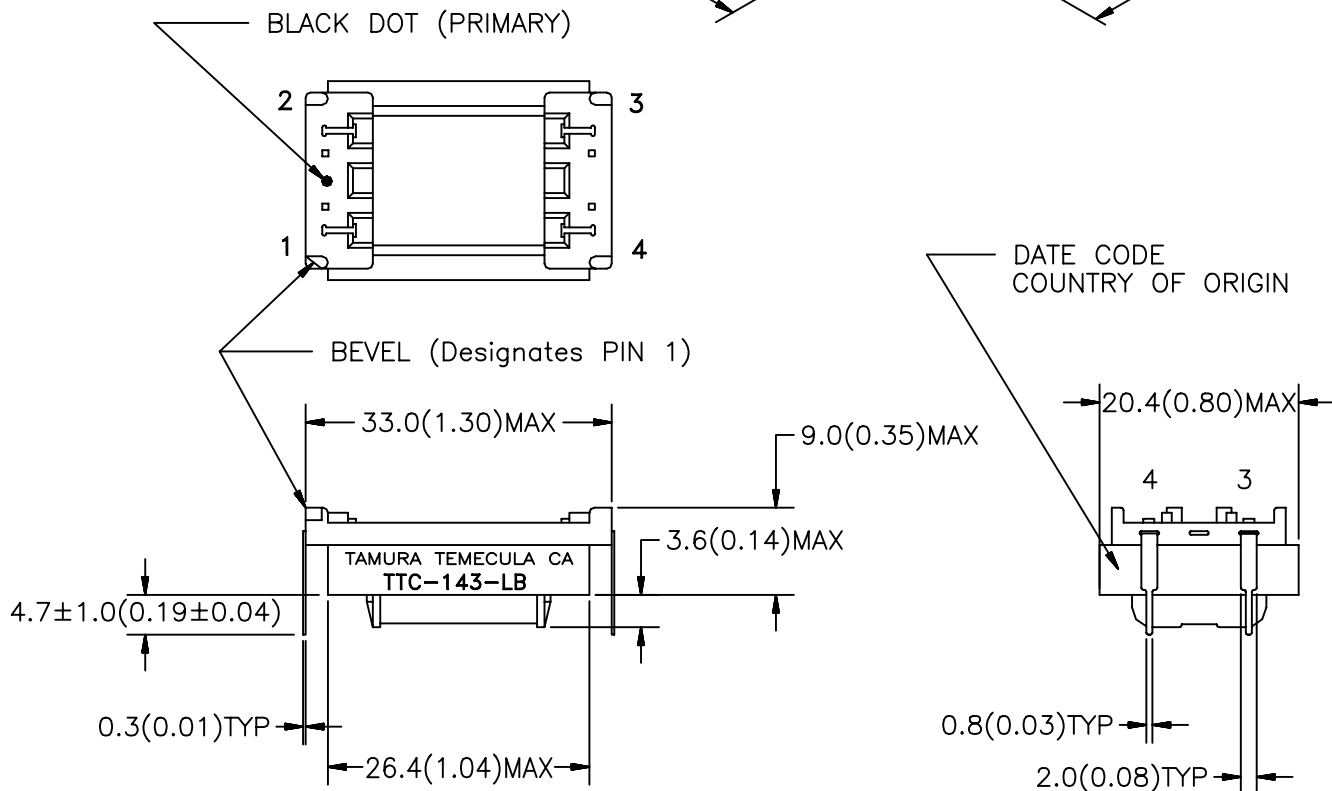
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Unbalance Current; 90mA
4. Operating Level; -45dBm to +10dBm
5. Insertion Loss; 1.8dB MAX @ 1800Hz 0dBm & DC90mA
6. Frequency Response;
+0.2dB, -1.1dB @ 500-3500Hz 0dBm & DC90mA (relative to 1800Hz)
+0.2dB, -2.5dB @ 300-3500Hz 0dBm & DC90mA (relative to 1800Hz)
7. Pri Impedance; 600 Ω $\pm$ 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 $\pm$ 10%
(3-4) = 110 Ω $\pm$ 10%
12. Turns Ratio; (1-2) : (3-4) = 1 : 1.07 $\pm$ 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
$4 \leq 20$	± 0.3
$20 \leq 50$	± 0.4

PREPARED BY:

D. Kelley

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Suzuki

Note: Pin Material: Solder plated copper pin

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

REV
F

MODEL DESCRIPTION
DIRECT CONNECT TELEPHONE
COUPLING TRANSFORMER

TAMURA CORPORATION OF AMERICA

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(909) 699-1270 FAX 9096769482

MODEL SPECIFICATION

TTC-143-LB

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

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MODEL NUMBER

TTC-143-LB

Mouser Electronics

Authorized Distributor

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