

REVISION A
REVISED AND
REDRAWN ON
CAD/CAM
04/27/98 TS

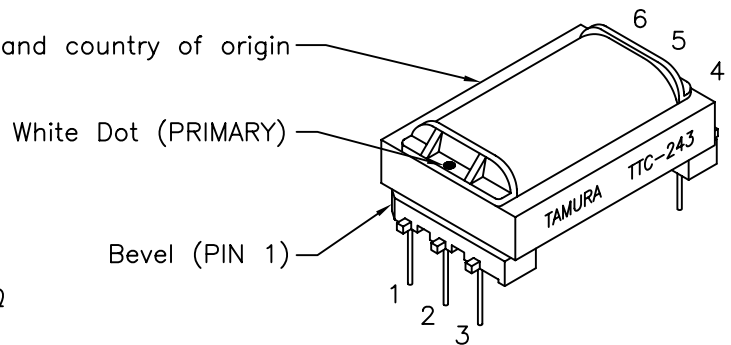
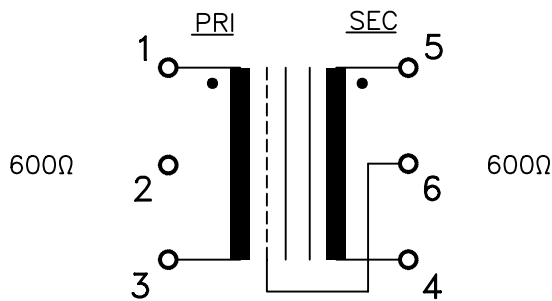
LOW PROFILE INTERNATIONAL TELECOMMUNICATION COUPLING TRANSFORMER

A. Electrical Specifications (@ 25°C)

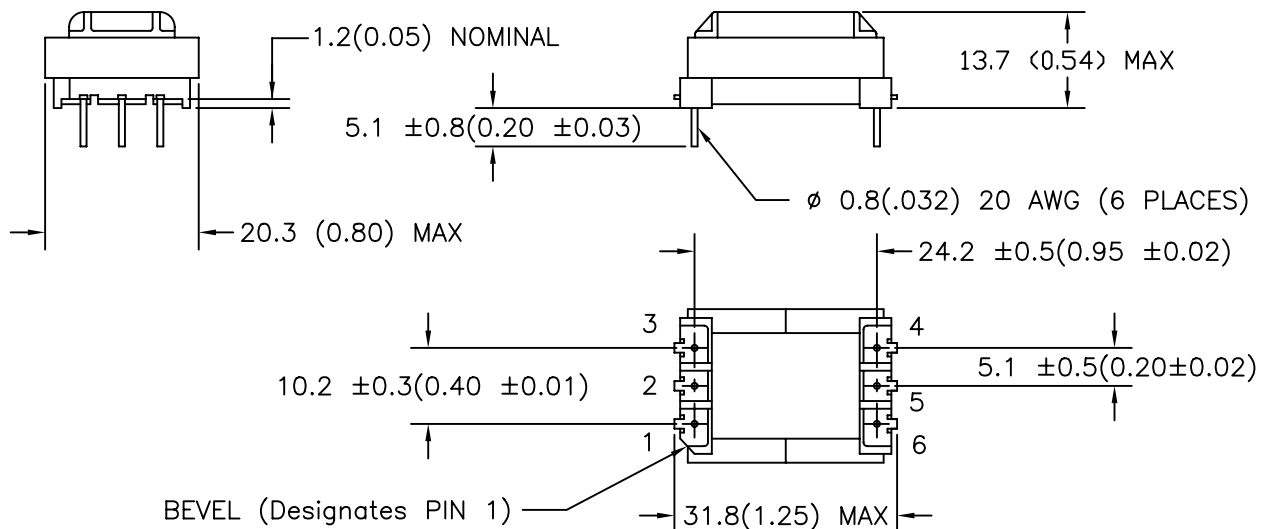
- 1. Pri Source Impedance: 600Ω
- 2. Sec Load Impedance: 600Ω Shielded
- 4. Operating Level: -45dBm to +10dBm
- 5. Insertion Loss:
2.0dB MAX @ 1KHz 0dBm
- 6. Frequency Response (relative to 1KHz)
±0.9dB @ 300 to 3500Hz 0dBm
- 7. Pri Impedance: 600Ω ±20% @ 300 to 1KHz 0dBm
- 8. Pri Return Loss: 16dB MIN @ 1KHz 0dBm
- 9. Longitudinal Balance: 60dB MIN @ 200 to 4000Hz
- 10. Total Harmonic Distortion: 1.0% MAX @ 300 to 3500Hz 0dBm
- 11. DC Resistance:
(1-3) = 57Ω ±10%
(4-6) = 81Ω ±10%
- 12. Turns Ratio: (1-3) : (5-4) = 1 : 1.00 ±2%
- 13. Dielectric Strength:
3750 Vrms 1 minute @ Pri to Sec, Pri to Shield
1250 Vrms 1 minute @ Sec to Core, Sec to Shield

B. Marking: TTC-243, TAMURA, 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

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Suzuki

DRAWING CONTROL NO.
P-A1-10259
ACAD\TTC\A1102591.DWG

REV
A

MODEL DESCRIPTION
TELECOMMUNICATION COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

MODEL SPECIFICATION

TTC-243

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

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MODEL NUMBER
TTC-243