

REV. Status

HIGH PERFORMANCE LOW PROFILE TELECOMMUNICATION COUPLING TRANSFORMER

MODEL NUMBER

TTC-143

A. Electrical Specifications (@ 25 ° C)

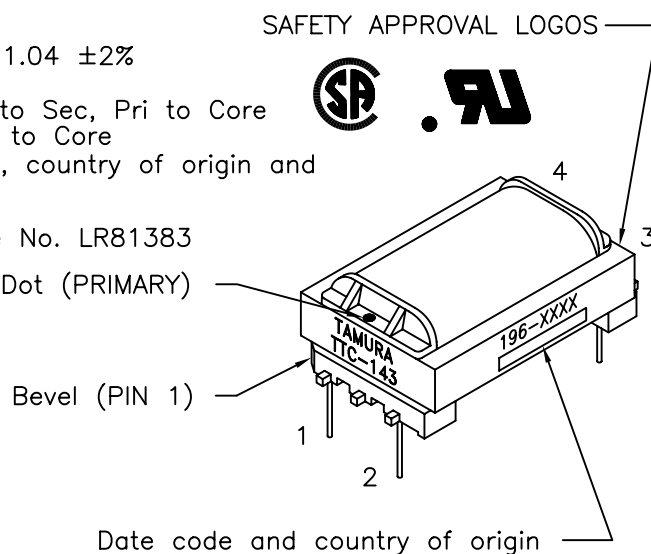
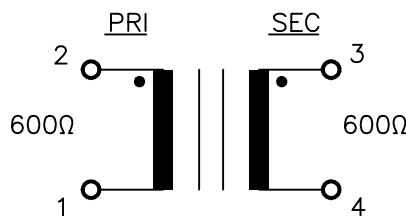
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Unbalance Current; 90mA (1-2)
4. Operating Level; -45dBm to +10dBm
5. Insertion Loss;
 - 1.7dB MAX @ 1.8KHz 0dBm and DC90mA
6. Frequency Response (relative to 1.8KHz)
 - +0.2dB, -1.0dB @ 500 to 3,500Hz 0dBm and DC90mA
 - +0.2dB, -2.0dB @ 300 to 3,500Hz 0dBm and DC90mA
7. Pri Impedance; 600 Ω $\pm$ 20% @ 500 to 1,800Hz 0dBm and DC90mA
8. Pri Return Loss; 14dB MIN @ 1.8KHz 0dBm and DC90mA
9. Longitudinal Balance; 60dB MIN @ 200 to 4,000Hz
10. Total Harmonic Distortion; 0.5% MAX @ 300 to 3,500Hz 0dBm and DC90mA
11. DC Resistance;
 - (1-2) = 75 Ω $\pm$ 10%
 - (3-4) = 100 Ω $\pm$ 10%
12. Turns Ratio; (1-2) : (4-3) = 1 : 1.04 $\pm$ 2%
13. Dielectric Strength;
 - 1500Vrms 60Hz 1 minute @ Pri to Sec, Pri to Core
 - 1500Vrms 60Hz 1 minute @ Sec to Core

B. Marking; TTC-143, TAMURA, date code, country of origin and safety approval logos

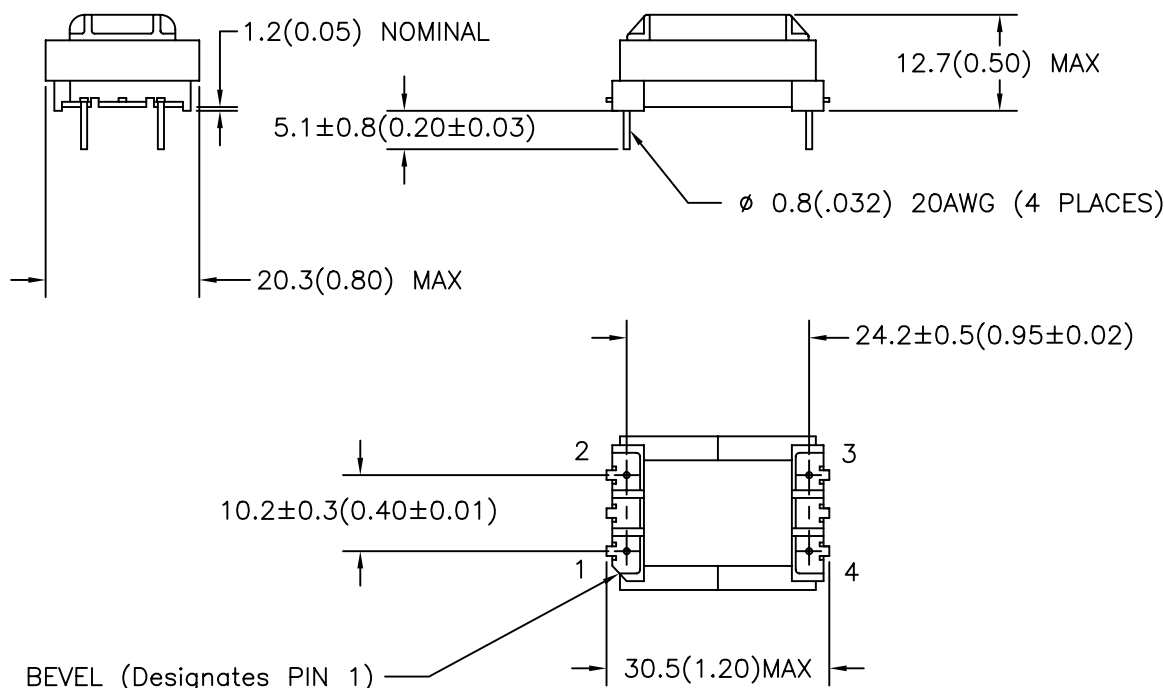
C. Safety; CSA C22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035

White Dot (PRIMARY)

D. Schematic Diagram



E. Mechanical Specifications



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DWG CONTROL NO.

P-A1-10034

ACAD\TTC\A1100341.DWG

REV

E

TELECOMMUNICATIONS COUPLING
TRANSFORMER**TAMURA CORPORATION OF AMERICA**

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624

TTC-143

MODEL SPECIFICATION

DIM: mm(In)

SCL: 1/1

SH: 1 OF 1

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