

LOW PROFILE INTERNATIONAL TELECOMMUNICATION COUPLING TRANSFORMER

MODEL NUMBER

TTC-238-1

A. Electrical Specifications (@ 25°C)

1. Pri Source Impedance: 600 Ω CT
2. Sec Load Impedance: 600 Ω CT
4. Operating Level: -45dBm to +10dBm
5. Insertion Loss:
1.7 dB MAX @ 1KHz 0dBm
6. Frequency Response (relative to 1KHz)
 ± 0.7 dB @ 300 to 3500Hz 0dBm
7. Pri Impedance: 600 Ω $\pm 20\%$ @ 300 to 1KHz 0dBm
8. Pri Return Loss: 17dB 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:
 $(1-3) = 47 \Omega \pm 10\%$
 $(4-6) = 62 \Omega \pm 10\%$
12. Turns Ratio: $(1-3) : (6-4) = 1 : 1.00 \pm 2\%$
 $(1-2) : (2-3) = 1 : 1.00 \pm 2\%$
 $(4-5) : (5-6) = 1 : 1.00 \pm 2\%$
13. Dielectric Strength:
3750 Vrms 1 minute @ Pri to Sec
1250 Vrms 1 minute @ Pri to Core, Sec to Core

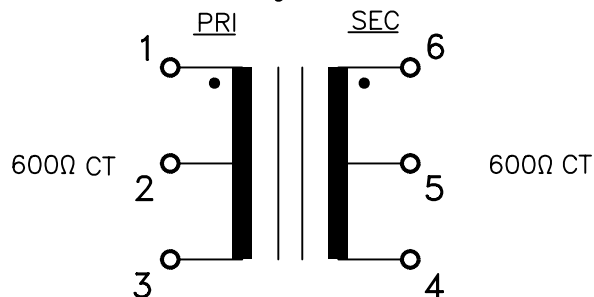
B. Marking: TTC-238-1, TAMURA, date code, country of origin

Date code and country of origin

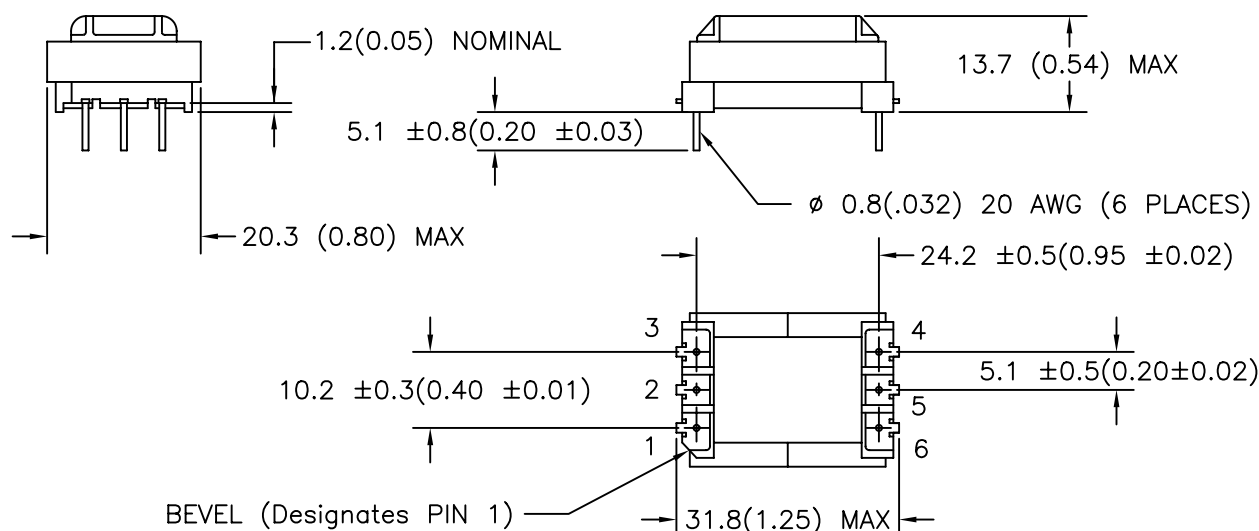
White Dot (PRIMARY)

Bevel (PIN 1)

C. Schematic Diagram



D. Mechanical Specifications



TOLERANCES (mm)

≤ 4	± 0.2
$4 \leq 20$	± 0.3
$20 \leq 50$	± 0.4

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ENGINEER:

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QUALITY CONTROL:

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APPROVED:

D. Kelley

DRAWING CONTROL NO.

P-A1-10258

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MODEL DESCRIPTION

TELECOMMUNICATION COUPLING
TRANSFORMER

MODEL SPECIFICATION

TTC-238-1

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DIM: mm(In)

SCL: NONE

SH: 1 OF 1

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