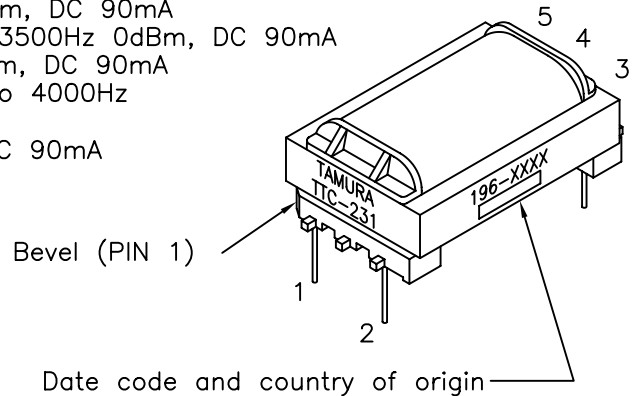


LOW PROFILE INTERNATIONAL TELECOMMUNICATION WET COUPLING TRANSFORMER

MODEL NUMBER
TTC-231

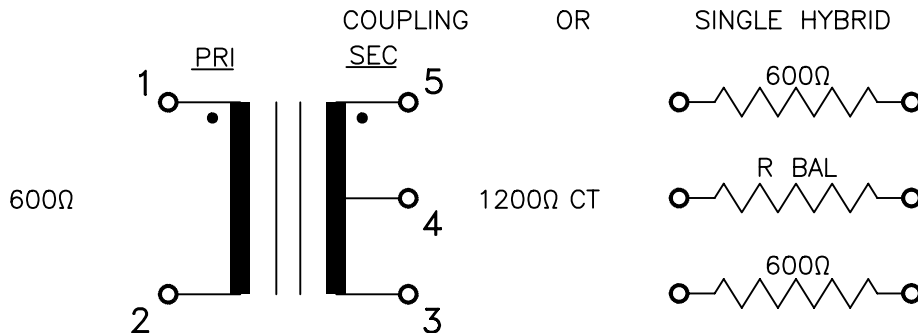
A. Electrical Specifications (@ 25°C)

1. Pri Source Impedance: 600Ω
2. Sec Load Impedance: 1200ΩCT OR 600Ω/600Ω
4. Operating Level: -45dBm to +10dBm
5. Insertion Loss:
1.7 dB MAX @ 1KHz 0dBm, DC 90mA
6. Frequency Response (relative to 1KHz)
±0.5dB @ 600 to 3500Hz 0dBm, DC 90mA
+0.5dB, -1.8dB @ 300 to 600Hz 0dBm, DC 90mA
7. Pri Impedance: 600Ω ±20% @ 600 to 3500Hz 0dBm, DC 90mA
8. Pri Return Loss: 14dB MIN @ 1KHz 0dBm, DC 90mA
9. Longitudinal Balance: 60dB MIN @ 200 to 4000Hz
10. Total Harmonic Distortion:
0.5% MAX @ 300 to 3500Hz 0dBm, DC 90mA
11. DC Resistance:
(1-2) = 75Ω ±10%
(3-5) = 170Ω ±10%
12. Turns Ratio:
(1-2) : (3-5) = 0.659 : 1.0 ±2%
13. Dielectric Strength:
1500 Vrms 1 minute @ Pri to Sec
1500 Vrms 1 minute @ Pri to Core
1500 Vrms 1 minute @ Sec to Core

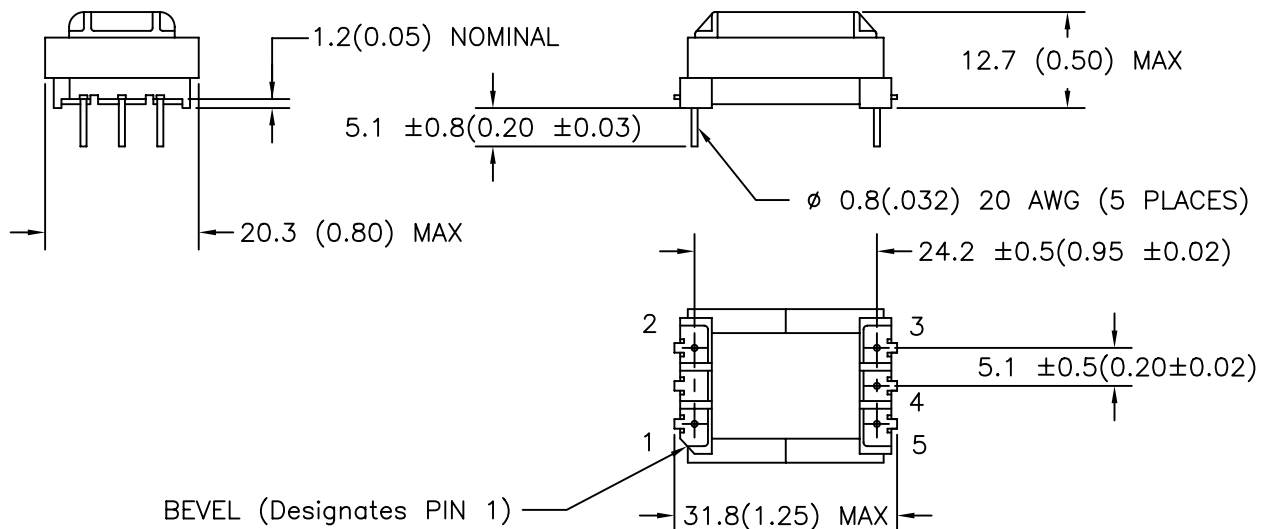


B. Marking: TTC-231, TAMURA, date code, country of origin

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-A1-10405 ACAD\TTC\A1104051.DWG	REV A
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MODEL DESCRIPTION TELECOMMUNICATION COUPLING OR SINGLE HYBRID TRANSFORMER
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MODEL SPECIFICATION TTC-231
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CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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