

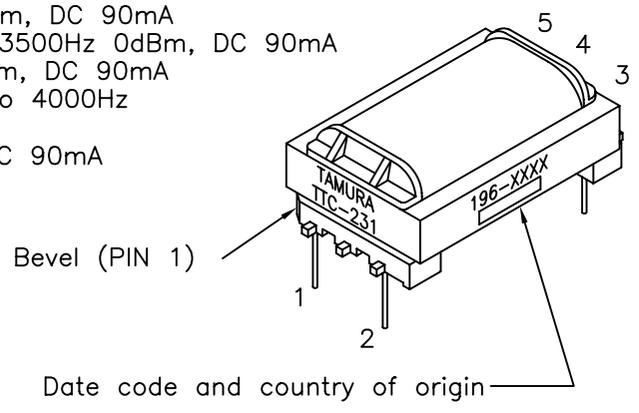
REVISION -  
01/03/92 HA

REVISION A  
TEMECULA  
-WAS-  
CARSON  
ADDED  
STANDOFF  
04/27/98 TS

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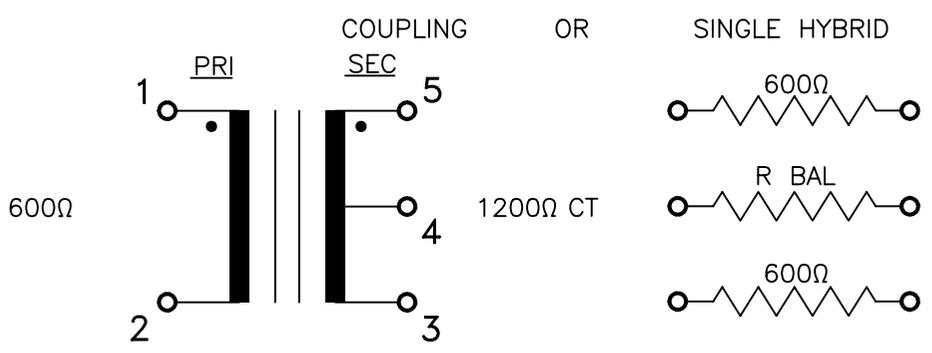
A. Electrical Specifications (@ 25°C)

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: 600 Ω ±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) = 75 Ω ±10%  
(3-5) = 170 Ω ±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

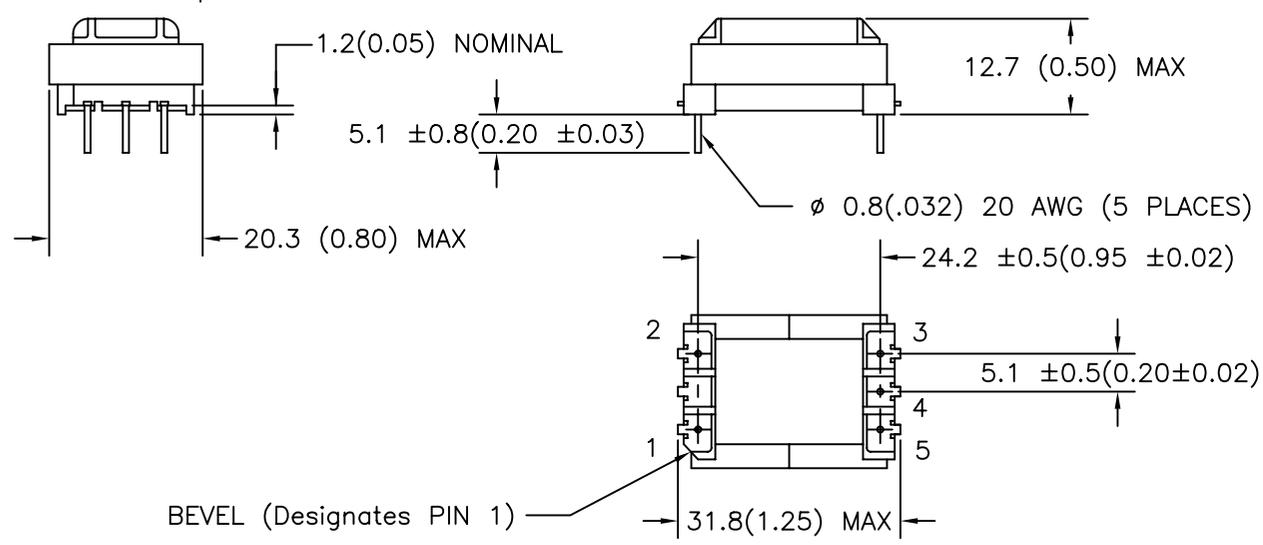


B. Marking: TTC-231, TAMURA, date code, country of origin

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**

MODEL DESCRIPTION  
TELECOMMUNICATION COUPLING  
OR SINGLE HYBRID TRANSFORMER

MODEL SPECIFICATION  
**TTC-231**

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624

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

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