

REV. Status

REVISION -
06/18/88 YAREVISION A
06/12/87 MSREVISION B
06/19/87 MSREVISION C
07/19/88 YAREVISION D
REVISED AND
REDRAWN ON
CAD/CAM
04/24/98 TS

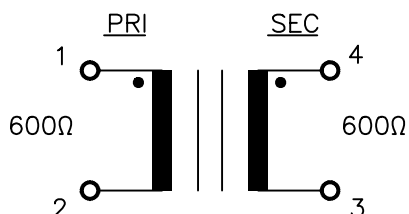
TELECOMMUNICATION WET COUPLING TRANSFORMER DESIGNED TO OPERATE FROM
-45dBm TO +10dBm WITH 0 TO 90mADC IN PRIMARY AND REFLECT A PRIMARY
SOURCE IMPEDANCE OF APPROXIMATELY 600 Ω WITH 600 Ω LOAD ON SECONDARY:

A. Electrical Specifications (@ 25 ° C)

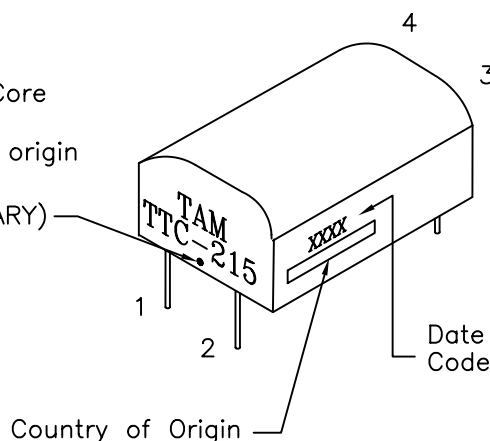
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Unbalance Current; 90mA (1-2)
4. Operating Level; -45dBm to +10dBm
5. Insertion Loss;
1.7dB MAX @ 1.8KHz 0dBm and DC90mA
6. Frequency Response (relative to 1.8KHz)
+0.2dB, -1.0dB @ 500 to 3,500Hz 0dBm and DC90mA
+0.2dB, -2.0dB @ 300 to 3,500Hz 0dBm and DC90mA
7. Pri Impedance; 600 Ω $\pm$ 20% @ 700 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 DC80mA
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;
1500 Vrms 1 minute @ Pri to Sec
1500 Vrms 1 minute @ Pri to Core, Sec to Core

B. Marking; TTC-215, TAM, date code and country of origin

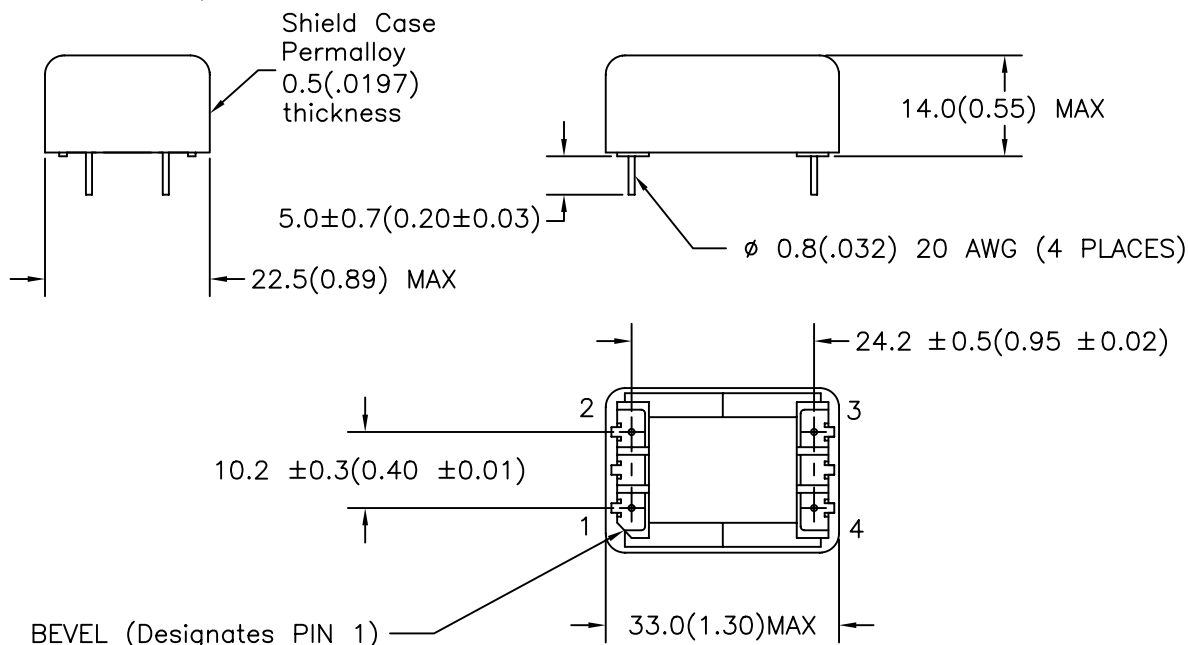
C. Schematic Diagram



Black Dot (PRIMARY)



D. Mechanical Specifications



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APPROVED:

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DWG CONTROL NO.
P-A1-10143
ACAD\TTC\A1101431.DWG

REV

D

TELECOMMUNICATION COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA

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

TTC-215

MODEL SPECIFICATION

DIM: mm(In) SCL: 1/1 SH: 1 OF 1

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MODEL NUMBER

TTC-215

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