

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

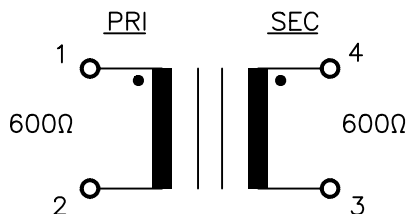
TELECOMMUNICATION WET COUPLING TRANSFORMER DESIGNED TO OPERATE FROM
-45dBm TO +10dBm WITH 0 TO 90mADC IN PRIMARY AND REFLECT A PRIMARY
SOURCE IMPEDANCE OF APPROXIMATELY 600 Ω WITH 600 Ω LOAD ON SECONDARY:

A. Electrical Specifications (@ 25 ° C)

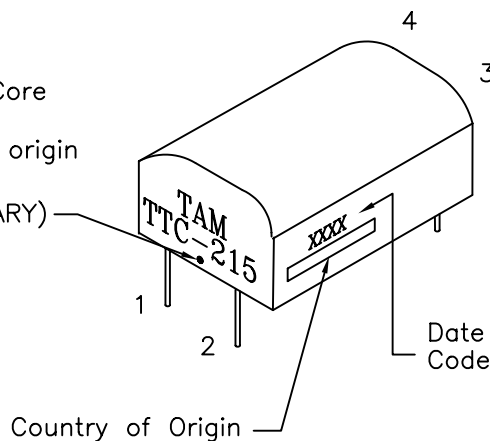
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Unbalance Current; 90mA (1-2)
4. Operating Level; -45dBm to +10dBm
5. Insertion Loss;
1.7dB MAX @ 1.8KHz 0dBm and DC90mA
6. Frequency Response (relative to 1.8KHz)
+0.2dB, -1.0dB @ 500 to 3,500Hz 0dBm and DC90mA
+0.2dB, -2.0dB @ 300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

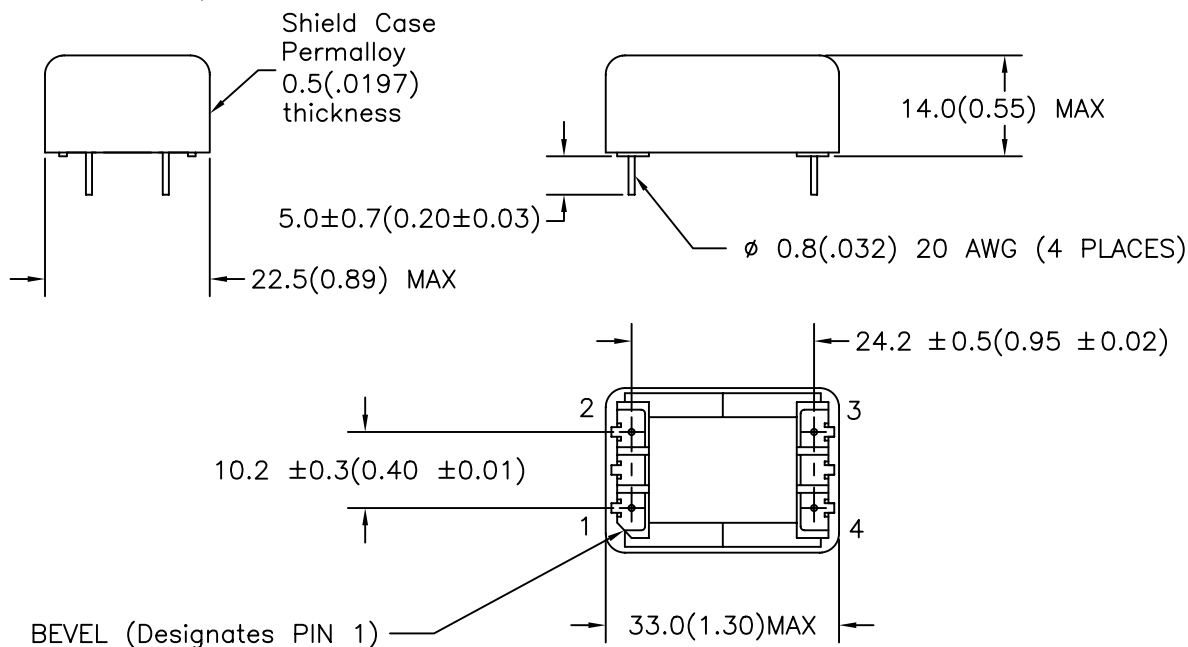
C. Schematic Diagram



Black Dot (PRIMARY)



D. Mechanical Specifications



PREPARED BY:

D. Rund

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

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

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA
RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN
CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.

MODEL NUMBER

TTC-215

Tel: (973) 779-8282

Fax: (973) 779-1490

sales@trcelectronics.com

http://www.trcelectronics.com

TRCELECTRONICS, INC.

"Authorized Distributor"

135 Pasadena Ave.

Lodi, NJ 07644 USA