

REVISION -
05/29/85 MSREVISION A
REVISED AND
REDRAWN ON
CAD/CAM
03/31/92 TSREVISION B
TEMECULA
WAS CARSON
05/12/98 TS

TRCELECTRONICS, INC.
"Authorized Distributor"
135 Pasadena Ave.
Lodi, NJ 07644 USA

Tel: (973) 779-8282
Fax: (973) 779-1490
sales@trcelectronics.com
http://www.trcelectronics.com

TOLERANCES (mm)

≤ 4	± 0.2
4 ≤ 20	± 0.3
20 ≤ 50	± 0.4

PREPARED BY:

D. Rund

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

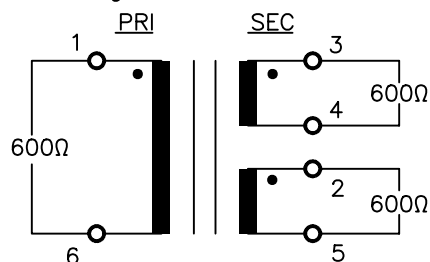
TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω/600Ω LOAD ON SECONDARY

A. Electrical Specifications (@ 25°C)

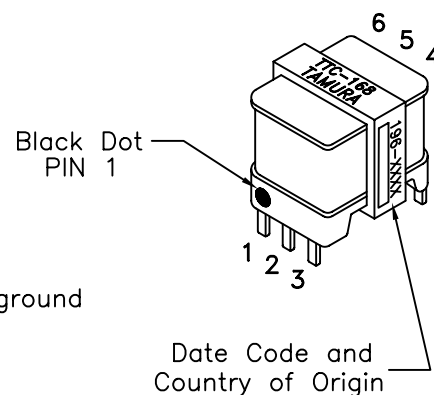
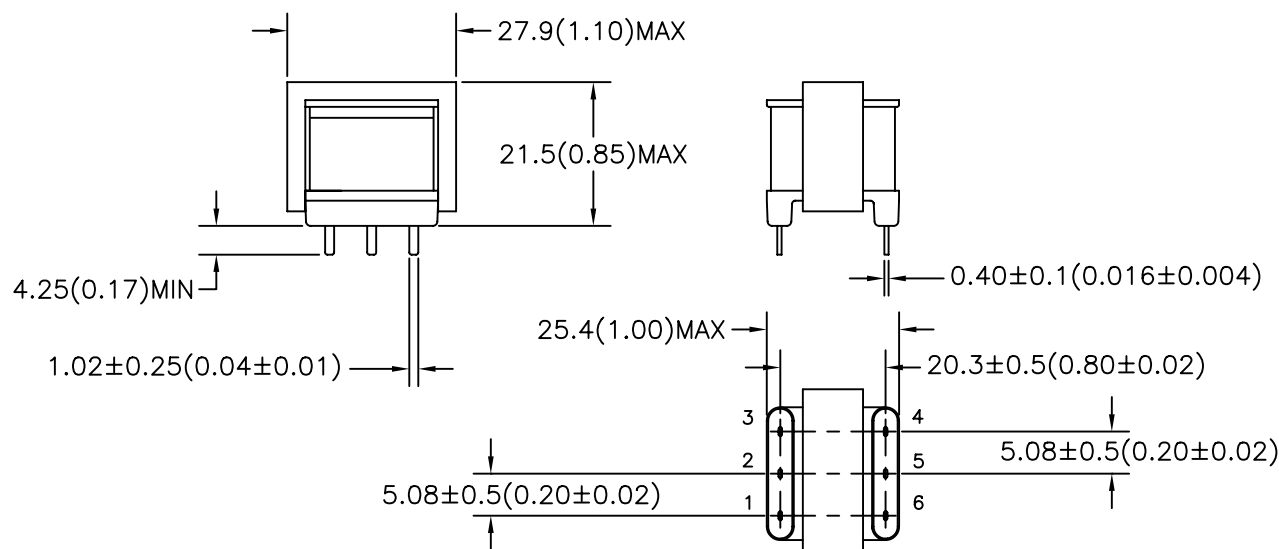
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω/600Ω
3. Operating Level; -45dBm to +7dBm
4. Insertion Loss;
1.0dB MAX @ 1KHz, 0dBm
5. Frequency Response;
±0.2dB 300Hz to 3.5KHz @ 0dBm
6. Longitudinal Balance;
60dB MIN @ 1KHz per FCC Part 68 underground
7. DC Resistance;
 $(1-6) = 34\Omega \pm 20\%$
 $(3-4) = 25\Omega \pm 20\%$
 $(2-5) = 25\Omega \pm 20\%$
8. Turns Ratio; $(1-6) : (3-4) = 1 : 0.740 \pm 2\%$
 $(1-6) : (2-5) = 1 : 0.740 \pm 2\%$
9. Dielectric Strength;
1250 Vrms 1 minute @ Pri to Sec, and Core
1000 Vrms 1 minute @ Sec to Core
10. Note: All testing will be calibrated based on 600Ω vs 1200Ω CT impedance matching and connection

B. Marking; TTC-168, TAMURA, 196-date code and country of origin

C. Schematic Diagram



D. Mechanical Specifications



MODEL NUMBER

TTC-168

DWG CONTROL NO.
P-A1-10137
ACAD\TTC\A1101371.DWG

REV
B

TELECOMMUNICATION COUPLING
TRANSFORMER

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

TTC-168

MODEL SPECIFICATION

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

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