

REVISION B
REVISED AND
REDRAWN ON
CAD/CAM
DATE/ENG

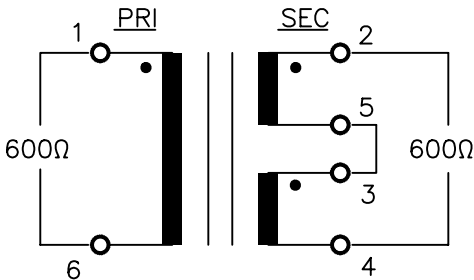
REVISION C
TEMECULA
WAS CARSON
ADDED SAFETY
6/15/95 TS

REVISION D
NEW
FORMAT
07/01/98

LOW PROFILE FCC68 TELECOMMUNICATIONS WET COUPLING TRANSFORMER 600:600 SPLIT

- A. Electrical Specifications (@ 25 ° C)
- 1. Pri Source Impedance; 600Ω
 - 2. Sec Load Impedance; 600Ω split
 - 3. Operating Level; -45dBm to +10dBm
 - 4. Insertion Loss;
 - 1.9dB MAX @ 1.8KHz 0dBm, DC90mA
 - 5. Frequency Response (relative to 1.8KHz)
 - +0.3dB,-1.3dB @ 500 to 3500Hz 0dBm, DC90mA
 - +0.3dB,-2.5dB @ 300 to 3500Hz 0dBm, DC90mA
 - 6. Pri Impedance; 600Ω ±20% @ 500 to 1800Hz 0dBm, DC90mA
 - 7. Pri Return Loss; 14dB MIN @ 1.8KHz 0dBm, DC90mA
 - 8. Longitudinal Balance; 60dB MIN @ 300 to 4000Hz
 - 9. Total Harmonic Distortion; 1.0% MAX @ 300 to 3500Hz 0dBm, DC90mA
 - 10. DC Resistance;
 - (1-6) = 75 Ω ±10%
 - (2-4) = 95 Ω ±10%
 - 11. Turns Ratio; $\frac{(1-6)}{(2-5)} : \frac{(2-4)}{(3-4)} = 1 : 1.04 \pm 2\%$ (3-5) shorted
 - 12. Dielectric Strength;
 - 1500Vrms 1 minute @ Pri to Sec, Pri to Core
 - 1500Vrms 1 minute @ Sec to Core
- B. Marking; TTC-142-2, TAMURA, T9312, MICROTRAN, date code, country of origin and safety agency logos

C. Schematic Diagram



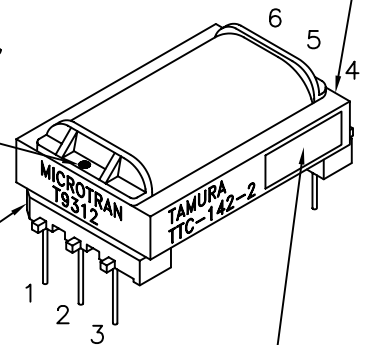
White Dot (PRIMARY)

Bevel (PIN 1)

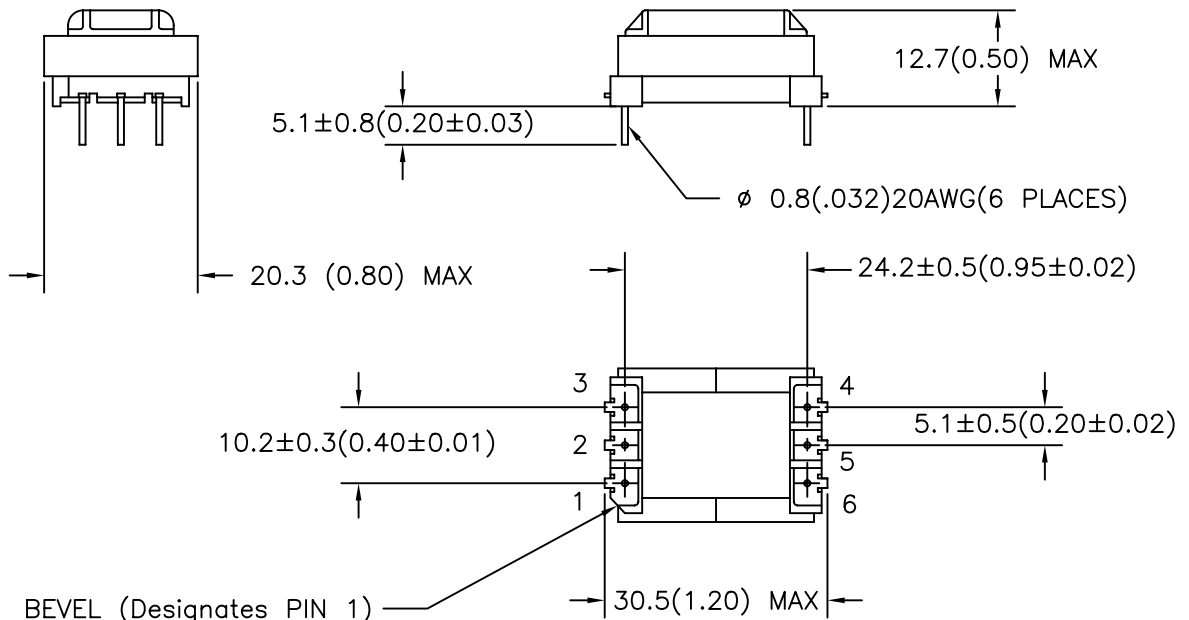
SAFETY APPROVAL LOGOS



Date code and country of origin



D. Mechanical Specifications



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QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.
P-A1-10038
ACAD\TTC\A1100381.DWG

REV

D

TELECOMMUNICATION COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA

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TTC-142-2

MODEL SPECIFICATION

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

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MODEL NUMBER

TTC-142-2

Mouser Electronics

Authorized Distributor

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