



REV. Status

REVISION -
01/09/92 HAREVISION A
TEMECULA WAS
CARSON. ADDED
SAFETY
08/31/95 TSREVISION B
UPDATED LABEL
02/09/96 TSREVISION C
ADDED RoHS.
UL1459 WAS
UL1863
12/13/06 MPREVISION D
DC RES. $\pm 20\%$
WAS MAX. ADDED
"2ND EDITION" TO
UL 1459
01/18/08 YS

TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO 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. Operating Level; -45 dBm to +7 dBm
4. Insertion Loss;
1.2 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response (relative to 1 KHz);
 ± 0.5 dB @ 300 Hz to 3.5 KHz, 0 dBm
6. PRI Impedance; 600 Ω $\pm 10\%$ @ 300 Hz to 3.5 KHz 0 dBm
7. Return Loss; 26 dB MIN @ 300Hz 0dBm
8. Longitudinal Balance; 60 dB MIN @ 200 Hz to 4 KHz
9. DC Resistance;
(1-3) = 46 Ω $\pm 20\%$
(4-6) = 63 Ω $\pm 20\%$
10. Turns Ratio; (1-3) : (4-6) = 1 : 1.06 $\pm 2\%$
11. Dielectric Strength;
1500 Vrms, 1 minute @ Pri to Sec, Pri to Core
1000 Vrms, 1 minute @ Sec to Core



MODEL NUMBER

TTC-118



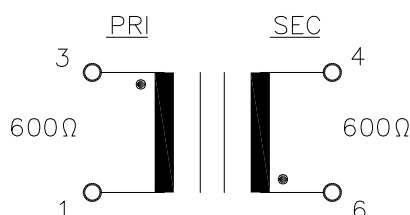
UL# E142035

B. Marking; TTC-118, TAMURA, date code, country of origin and safety agency logos

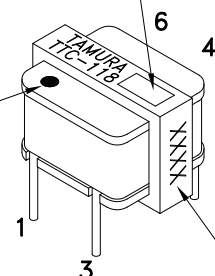
C. Safety: CSA C22.2 No. 66-M1988 File No. 0181383
UL 1459 2nd Edition File No. E142035

Safety logos

D. Schematic Diagram

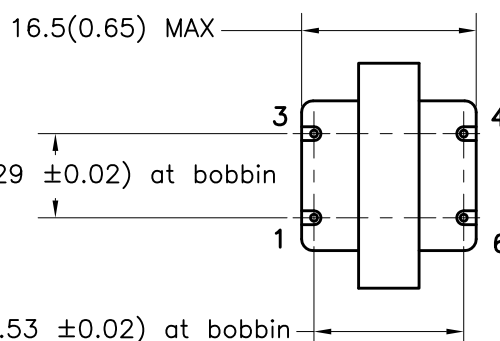
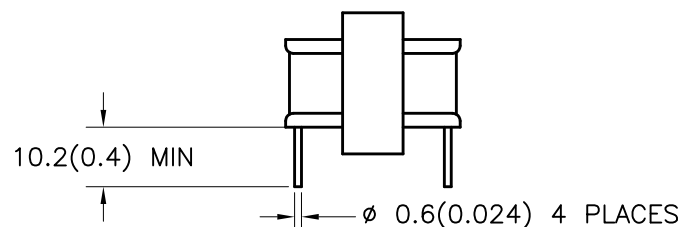
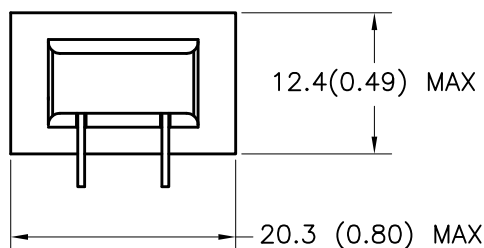


Red Dot (PIN 1)



Date code and country of origin

E. Mechanical Specifications



TOLERANCES (mm)

 $\leq 4 \pm 0.2$
 $4 \leq 20 \pm 0.3$
 $20 \leq 50 \pm 0.4$

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DWG CONTROL NO.
P-A1-10333
ACAD/TTC/A1103331.DWGREV
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TTC-118

MODEL SPECIFICATION

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

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