

REV. Status

ISSUE 1
01/02/92 HAISSUE 2
TEMECULA
WAS CARSON
ADDED SAFETY
UPDATED FORMAT
03/14/96 TSTELECOMMUNICATION WET COUPLING TRANSFORMER DESIGNED TO OPERATE FROM
-45dBm TO +7dBm WITH 0 TO 50 mADC IN PRIMARY AND REFLECT A PRIMARY
SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω LOAD ON SECONDARY

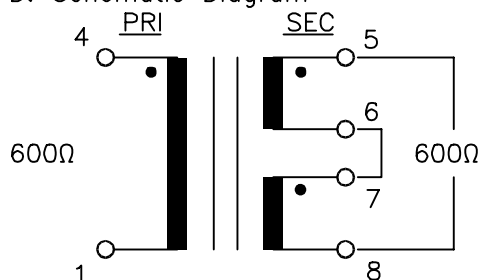
A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Current; 50mA MAX
4. Operating Level; -45 dBm to +7 dBm
5. Insertion Loss;
1.8 dB MAX @ 2 KHz, 0 dBm, DC50mA
6. Frequency Response (relative to 2 KHz)
0, -1.8 dB @ 660 Hz to 800 Hz, 0 dBm, DC50mA
+0.5, -1.5 dB @ 800 Hz to 3.5 KHz, 0 dBm, DC50mA
7. Longitudinal Balance; 60 dB MIN @ 200 Hz to 4 KHz
8. DC Resistance;
(1-4) = 49 Ω $\pm 15\%$
(5-8) = 76 Ω $\pm 15\%$
9. Turns Ratio;
(1-4) : (5-8) = 1 : 1.00 $\pm 2\%$
10. Dielectric Strength;
1500 Vrms 1 minute @ Pri to Sec, Pri to Core
1000 Vrms 1 minute @ Sec to Core

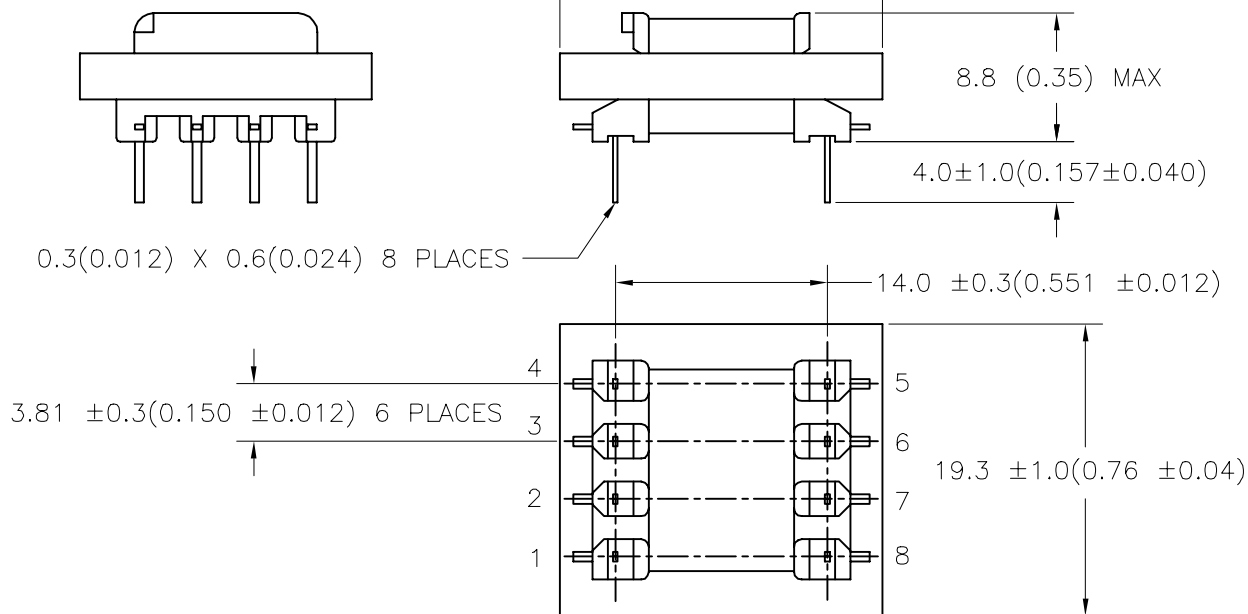
B. Marking; TTC-218-2, TAMURA, date code and country of origin

C. Safety; CSA-22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035

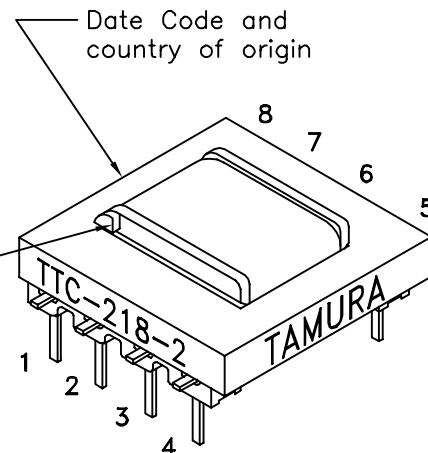
D. Schematic Diagram



E. Mechanical Specifications



UL# E142035



TOLERANCES (mm)

≤ 4 ± 0.2
4 ≤ 20 ± 0.3
20 ≤ 50 ± 0.4

PREPARED BY:

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ENGINEER:

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QUALITY CONTROL:

M. Ong

APPROVED:

M. Ong

DWG CONTROL NO.

P-A1-10447

ACAD\TTC\A1104471.DWG

REV

A

TELECOMMUNICATION COUPLING
TRANSFORMER

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TTC-218-2

MODEL SPECIFICATION

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

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MODEL NUMBER

TTC-218-2