

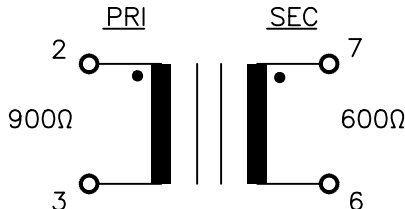
LOW PROFILE TELECOMMUNICATION COUPLING TRANSFORMER

A. Electrical Specifications (@ 25°C)

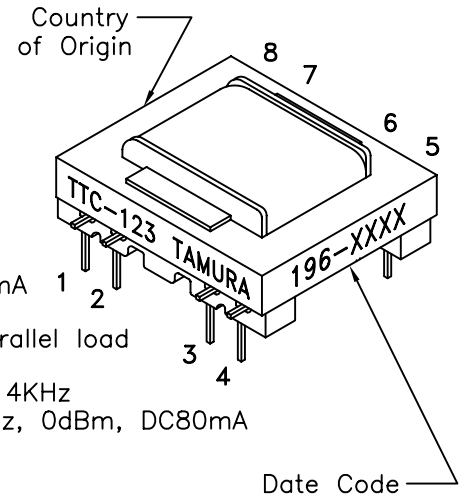
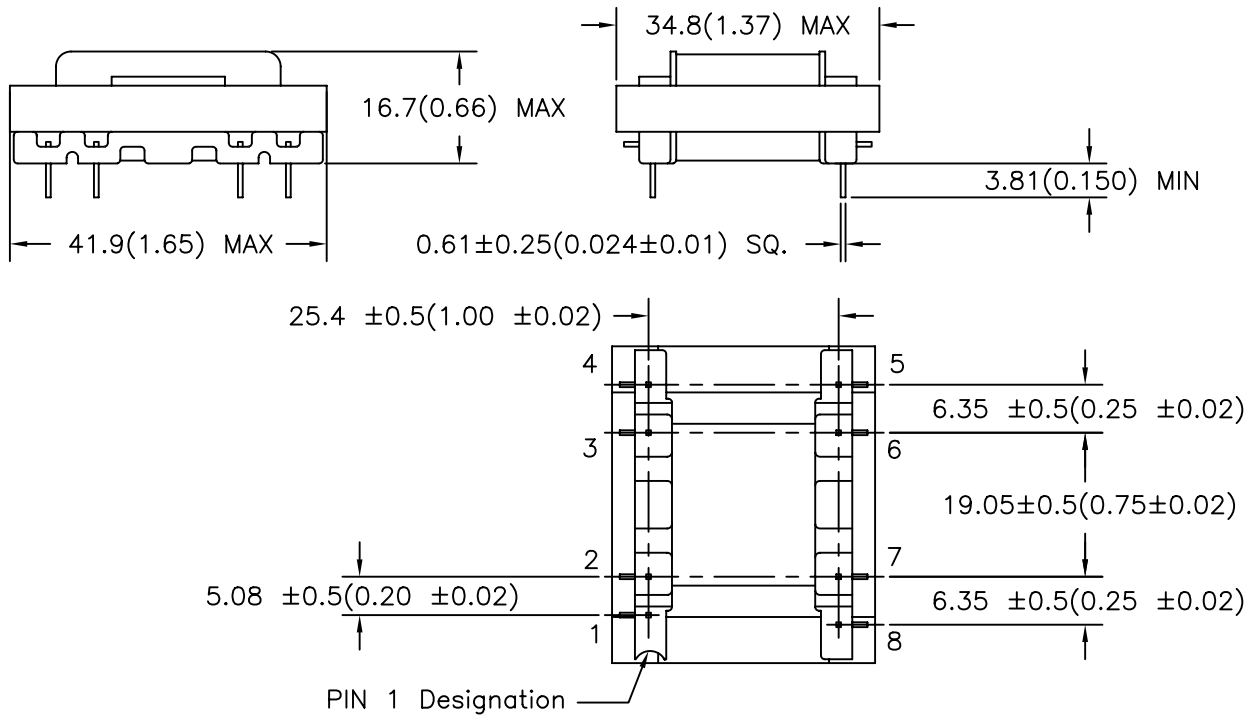
1. Pri Source Impedance; 900 Ω Nominal
2. Sec Load Impedance; 600 Ω
3. Sec DC Current; 80mA MAX (7–6)
4. Operating Level; –45dBm to +7dBm
5. Insertion Loss;
1.1dB TYP @ 1KHz, 0dBm, DC80mA
1.5dB MAX
6. Frequency Response; (relative to 1KHz)
±0.7dB @ 300Hz to 3.5KHz, 0dBm, DC80mA
7. Return Loss;
22dB TYP @ approx. 460Ω plus 0.04uF parallel load
16dB TYP @ 600Ω load
8. Longitudinal Balance; 60dB MIN @ 200Hz to 4KHz
9. Total Harmonic Distortion; 0.3% MAX @ 300Hz, 0dBm, DC80mA
10. DC Resistance;
(2–3) = 78 Ω ±10%
(7–6) = 88 Ω ±10%
11. Turns Ratio;
(2–3) : (7–6) = 1 : 0.816 ±2%
12. Dielectric Strength;
1500 Vrms 1 minute @ Pri to Sec, Pri to Core
1000 Vrms 1 minute @ Sec to Core

B. Marking; TTC–123, TAMURA, date code and country of origin

C. Schematic Diagram



D. Mechanical Specifications



MODEL NUMBER
TTC-123

PREPARED BY:

D. Kelley

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Suzuki

DRAWING CONTROL NO.
P-A1-10611
ACAD\TTC\A1106111.DWG

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MODEL DESCRIPTION
TELECOMMUNICATION COUPLING
TRANSFORMER

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MODEL SPECIFICATION

TTC-123

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

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