



REV. Status

REVISION -
08/13/92 TS

REVISION A
FLIPPED RADII &
CLARIFIED
MARKING
06/24/05 YS

REVISION B
RoHS COMPLIANT
11/03/05 MP

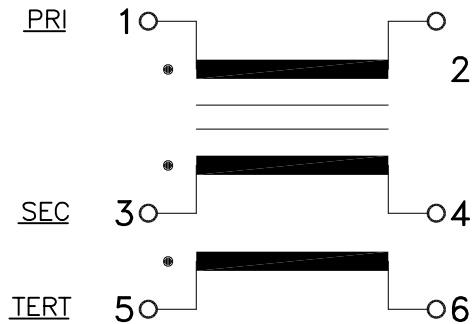
A. Electrical specification (@ 25°C)

1. Power rating;
500 mW
2. Dielectric strength;
500 VDC 1 minute
3. Insulation resistance;
10,000 MΩ MIN @ 500 VDC
4. Turns ratio;
(1-2) : (3-4) : (5-6) = 1 : 1 : 1 ±5%
5. Primary open circuit inductance;
200 μH MIN @ 1 KHz, 40 mV (1-2)
6. Primary ET-constant
5.0V- μs MIN
7. Rise time;
4.2 ns MAX
8. Interwinding capacitance between primary and secondary;
18.0 PF MAX @ 100 KHz
9. Primary leakage inductance with shorted secondary;
0.3 μH MAX @ 100 KHz
10. DC Resistance;
Primary (1-2) 0.9 Ω MAX
Secondary (3-4) 0.9 Ω MAX
Tertiary (5-6) 0.9 Ω MAX

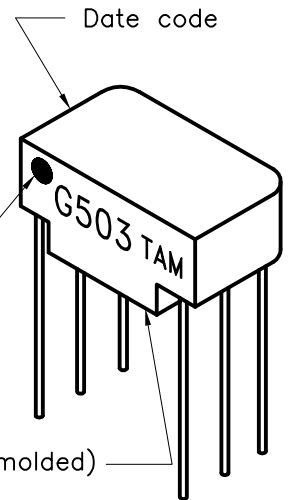
B. Marking;

G503, TAM, date code and country of origin

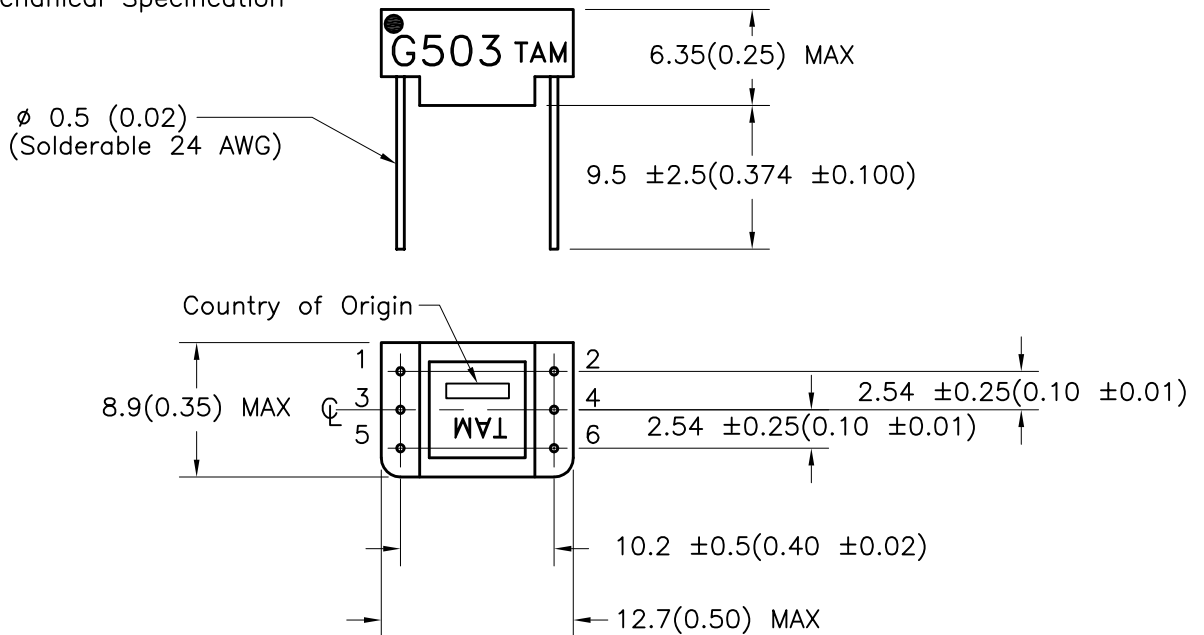
C. Schematic diagram



MODEL NUMBER
G503



D. Mechanical Specification



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QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO.
P-A1-10629
ACAD\G-SER\A1106291.DWG

REV
B

PULSE
TRANSFORMER

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(951) 699-1270 FAX 9516769482

G503

MODEL SPECIFICATION

DIM: mm(In) SCL: 2/1 SH: 1 OF 1

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