

REV. Status

REVISION –
08/13/92 TSREVISION A
FLIPPED RADII &
CLARIFIED
MARKING
06/24/05 YSREVISION B
RoHS COMPLIANT
11/03/05 MP

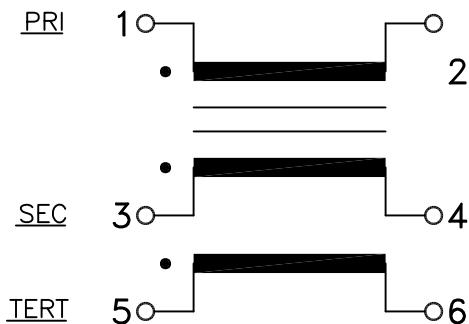
A. Electrical specification (@ 25°C)

1. Power rating;
500 mW
2. Dielectric strength;
500 VDC 1 minute
3. Insulation resistance;
10,000 M Ω MIN @ 500 VDC
4. Turns ratio;
(1–2) : (3–4) : (5–6) = 1 : 1 : 1 $\pm$ 5%
5. Primary open circuit inductance;
200 μ H MIN @ 1 KHz, 40 mV (1–2)
6. Primary ET–constant
5.0V– μ s 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 μ H 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



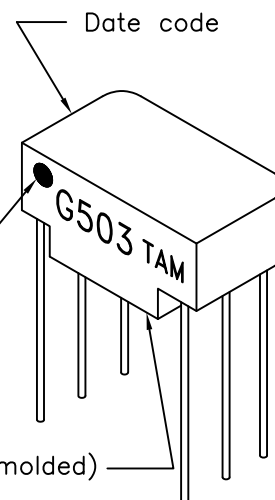
PIN 1 Designation

"TAM" and country of origin (molded)

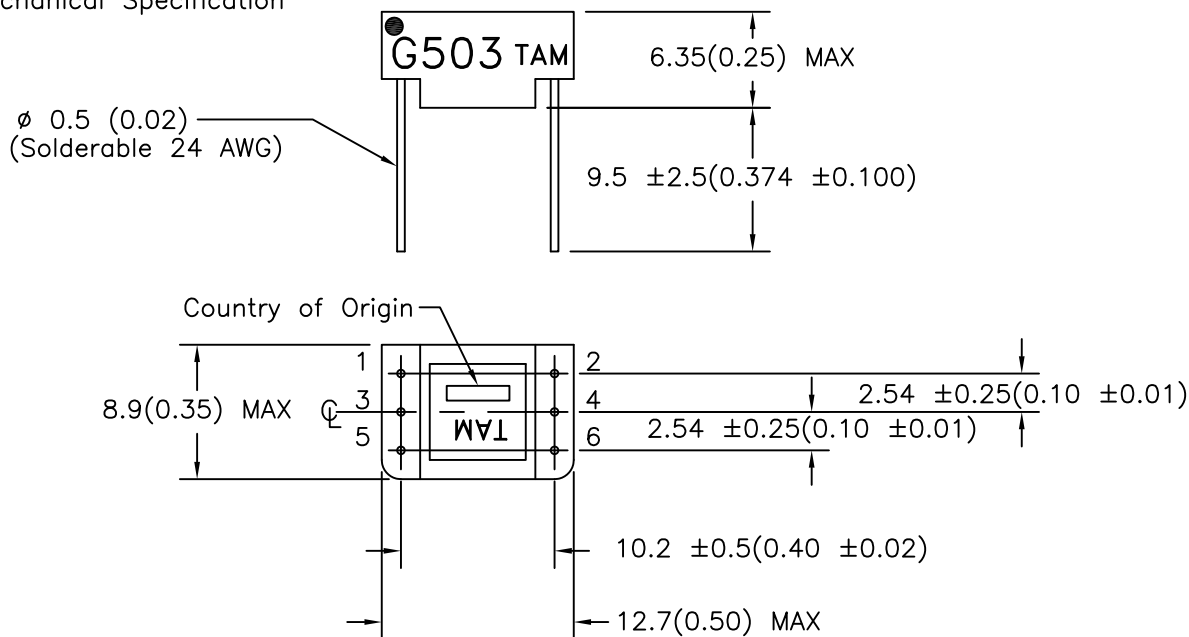
RoHS
COMPLIANT

MODEL NUMBER

G503



D. Mechanical Specification



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DRAWING CONTROL NO.

P-A1-10629

REV

B

MODEL DESCRIPTION

PULSE
TRANSFORMER

MODEL SPECIFICATION

G503

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DIM: mm[In]

SCL: 2/1

SH: 1 OF 1

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