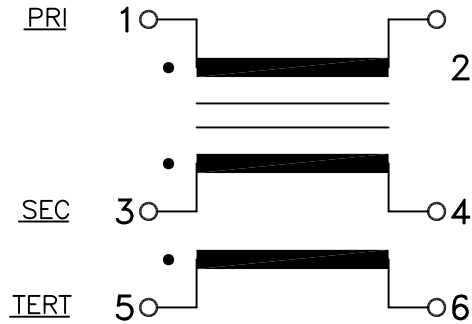MODEL NUMBER **G502**

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;
   500 μH MIN @ 1 KHz, 40 mV (1–2)
6. Primary ET–constant
   8.5V–μs MIN
7. Rise time;
   5.3 ns MAX
8. Interwinding capacitance between primary and secondary;
   32.0 PF MAX @ 100 KHz
9. Primary leakage inductance with shorted secondary;
   0.4 μH MAX @ 100 KHz
10. DC Resistance;
    Primary   (1–2) 1.3 Ω MAX
    Secondary (3–4) 1.3 Ω MAX
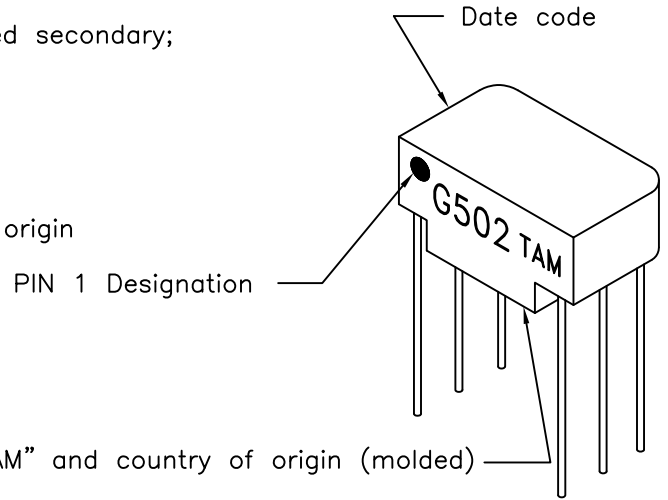   Tertiary   (5–6) 1.3 Ω MAX
B. Marking;
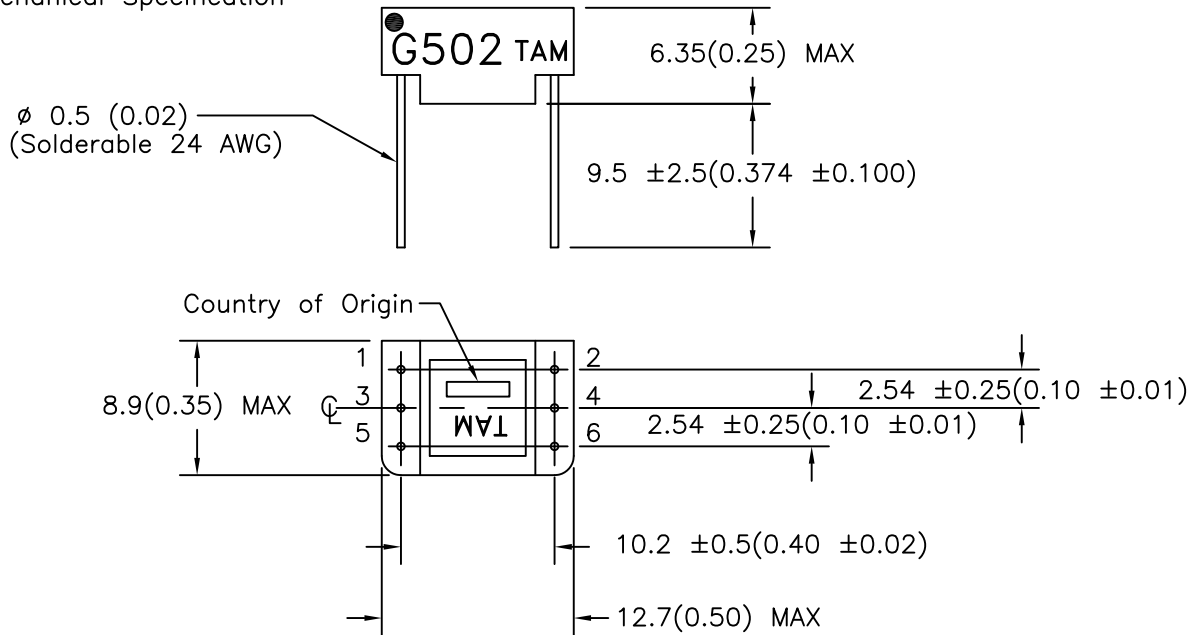   G502, TAM, date code and country of origin
C. Schematic diagram

PRI 1
2
SEC 3 4
TERT 5 6

Date code

PIN 1 Designation

"TAM" and country of origin (molded)

G502 TAM

D. Mechanical Specification

G502 TAM

∅ 0.5 (0.02)
(Solderable 24 AWG)

6.35(0.25) MAX

9.5 ±2.5(0.374 ±0.100)

Country of Origin

1
3
5
TAM
2
4
6

8.9(0.35) MAX

2.54 ±0.25(0.10 ±0.01)
2.54 ±0.25(0.10 ±0.01)

10.2 ±0.5(0.40 ±0.02)

12.7(0.50) MAX

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SAFETY ENGINEER	T. CLEM
APPROVED:	Y. SEKIGUCHI

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P–A1–10628	C	PULSE TRANSFORMER	G502

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DIM: mm[In]   SCL: 2/1   SH: 1 OF 1