

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

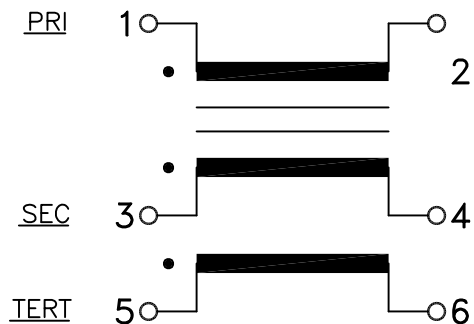
A. Electrical specification (@ 25°C)

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

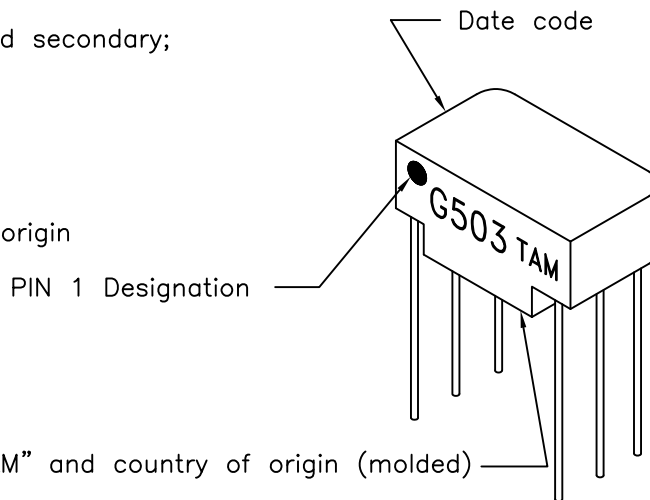
B. Marking;

G503, TAM, date code and country of origin

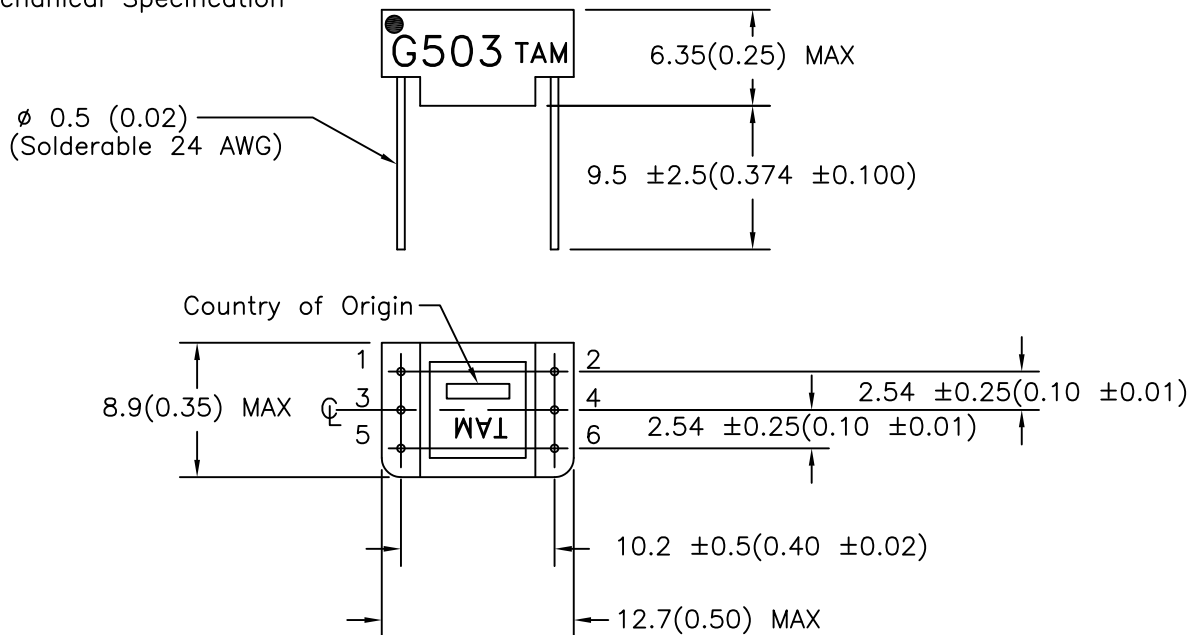
C. Schematic diagram



MODEL NUMBER  
**G503**



D. Mechanical Specification



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DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-10629	B	PULSE TRANSFORMER	G503
<p><b>TAMURA CORPORATION OF AMERICA</b> 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536</p>			<p>DIM: mm[In] SCL: 2/1 SH: 1 OF 1</p>
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