TAMURA

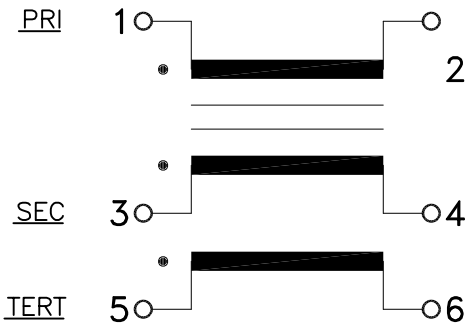
REV. Status
REVISION – 08/13/92 TS
REVISION A FLIPPED RADII & CLARIFIED MARKING 06/24/05 YS
REVISION B RoHS COMPLIANT 11/03/05 MP

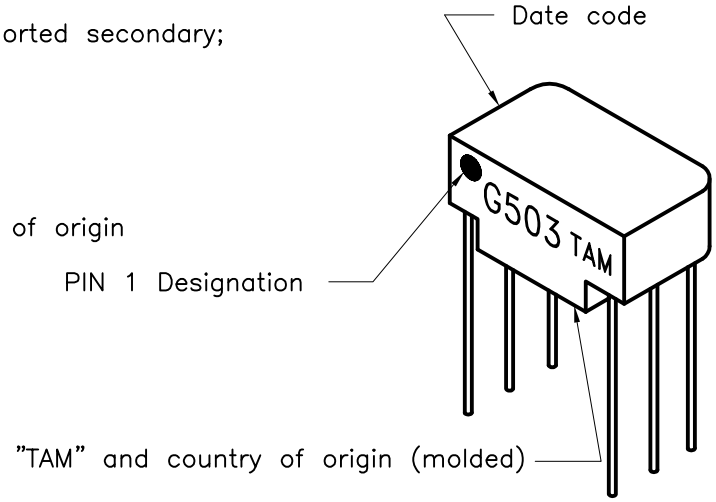
MODEL NUMBER G503

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

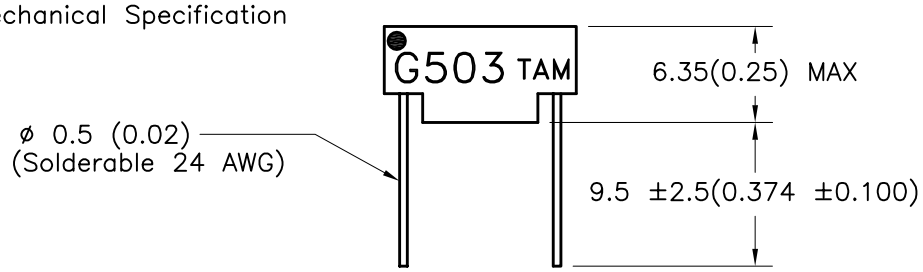
B. Marking;
G503, TAM, date code and country of origin

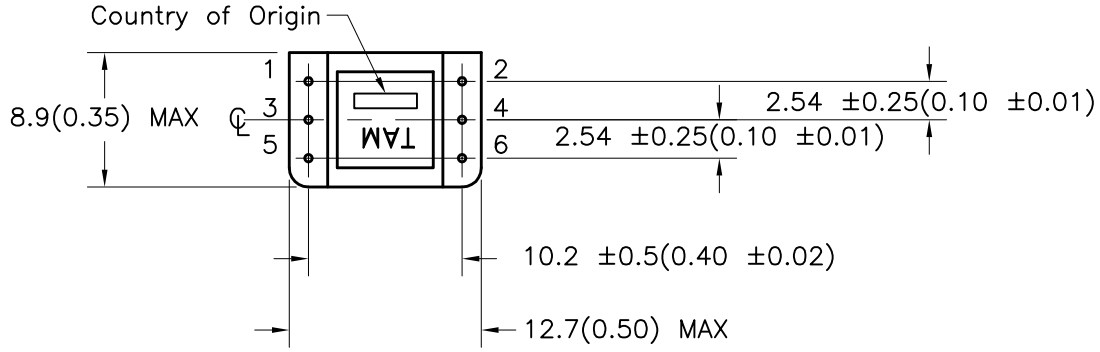
C. Schematic diagram





D. Mechanical Specification





PREPARED BY: K. BRENNAN					
ENGINEER: M. PITCHAI	DWG CONTROL NO. P–A1–10629 ACAD\G–SER\A1106291.DWG	REV B	PULSE TRANSFORMER	G503 MODEL SPECIFICATION	
QUALITY CONTROL: T. CLEM	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590–6624 (951) 699–1270 FAX 9516769482	DIM: mm(In)	SCL: 2/1 SH: 1 OF 1
APPROVED: Y. SEKIGUCHI					

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