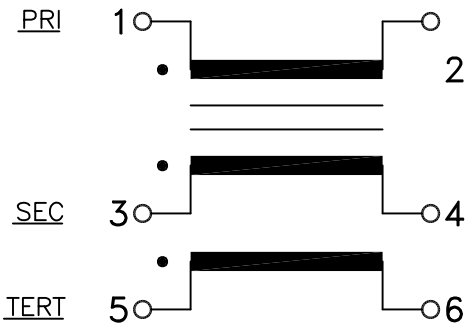
REV. Status
REVISION – 07/06/97 TS
REVISION A FLIPPED RADII & CLARIFIED MARKING 06/24/05 YS
REVISION B RoHS COMPLIANT 11/03/05 MP

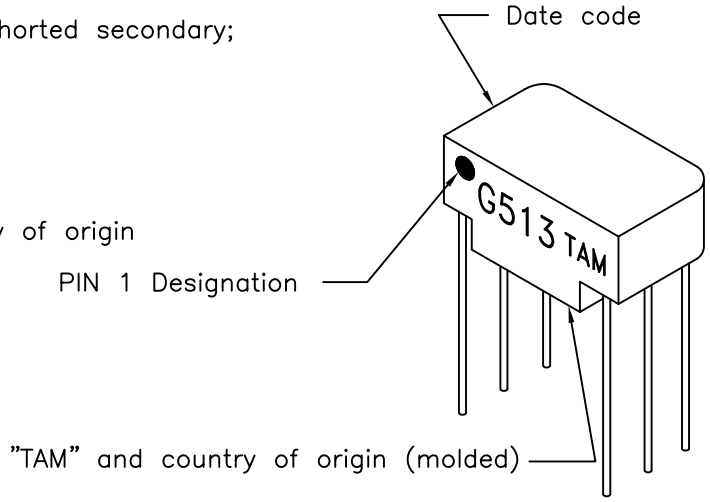
MODEL NUMBER G513

A. Electrical specification (@ 25°C)
1. Power rating;
   500 mW
2. Dielectric strength;
   1.5K VAC 1 minute between primary and secondary, primary and tertiary
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;
   1.2 mH MIN @ 10 KHz, 20 mV (1–2)
6. Primary ET–constant
   10.0V– μs MIN
7. Rise time;
   5.3 ns MAX
8. Interwinding capacitance between primary and secondary;
   25 PF MAX @ 100 KHz
9. Primary leakage inductance with shorted secondary;
   0.5 μH MAX @ 100 KHz
10. DC Resistance;
    Primary (1–2) 0.7 Ω MAX
    Secondary (3–4) 0.7 Ω MAX
    Tertiary (5–6) 0.7 Ω MAX

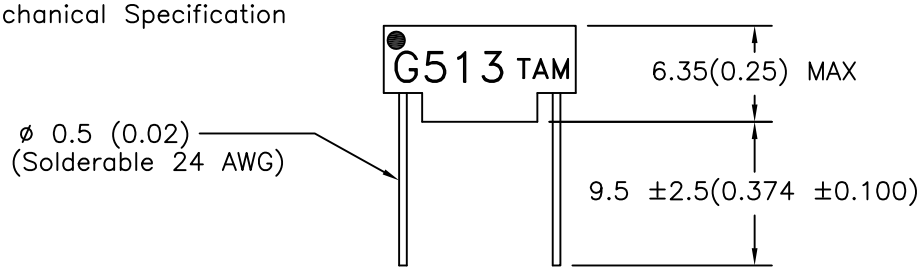
B. Marking;
   G513, TAM, date code and country of origin

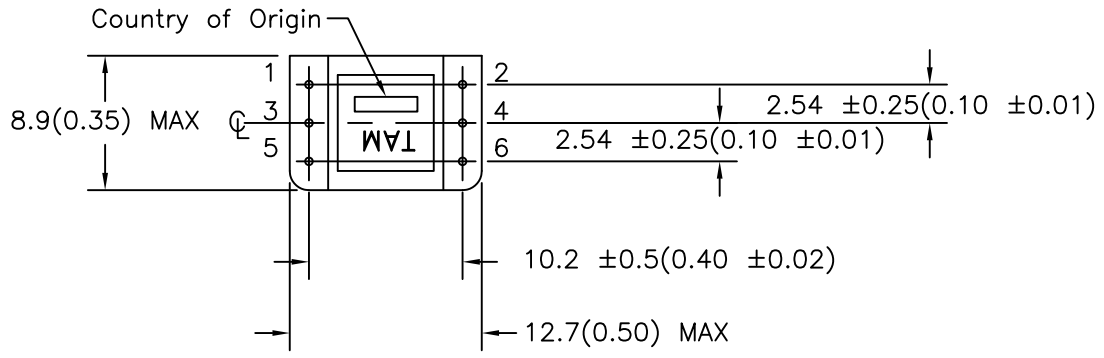
C. Schematic diagram





D. Mechanical Specification





PREPARED BY:				
K. BRENNAN				
ENGINEER:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
M. PITCHAI	P–A1–11330	B	PULSE TRANSFORMER	G513
SAFETY ENGINEER	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699–1270 FAX 7607400536	DIM: mm[In] SCL: 2/1 SH: 1 OF 1
T. CLEM				
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Y. SEKIGUCHI				