REV. Status

REVISION -06/12/92 TS

REVISION A UPDATED FORMAT 05/02/96 TS

REVISION B FLIPPED RADII & CLARIFIED MARKING 06/24/05 YS

REVISION C 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; 500  $\mu$  H MIN @ 1 KHz, 40 mV (1-2)
  - 6. Primary ET-constant  $8.5V - \mu s$  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;

 $(1-2) 1.3 \Omega$ Primary Secondary (3-4) 1.3  $\Omega$  MAX

Tertiary  $(5-6) 1.3 \Omega MAX$ 

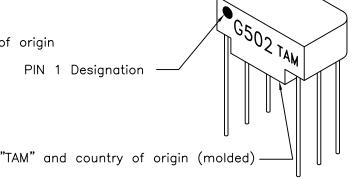
B. Marking;

<u>PRI</u>

G502, TAM, date code and country of origin

C. Schematic diagram 10-

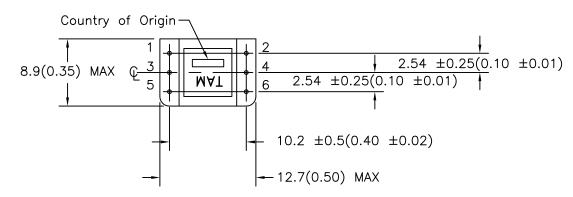




Date code

<u>SEC</u> 04 **TERT** ⊙6

D. Mechanical Specification G502 TAM 6.35(0.25) MAX ø 0.5 (0.02)-(Solderable 24 AWG)  $9.5 \pm 2.5(0.374 \pm 0.100)$ 



PREPARED BY:

K. BRENNAN

ENGINEER:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
M. PITCHAI	P-A1-10628	С	PULSE TRANSFORMER	G502
SAFETY ENGINEER	CONTENTS OF THIS DRAWING		TAMURA CORPORATION OF AMERICA	0002
T. CLEM	SUBJECT TO CHANGE WIT PRIOR NOTICE	HOUT	1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536	DIM: mm[In] SCL: 2/1 SH: 1 0F 1
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