



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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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

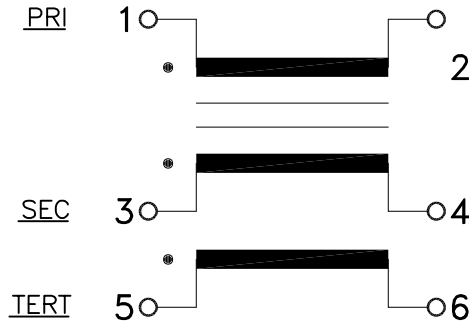
A. Electrical specification (@ 25°C)

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

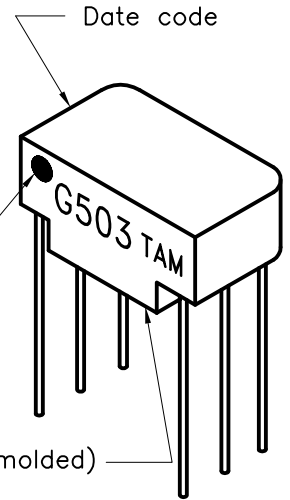
B. Marking;

G503, TAM, date code and country of origin

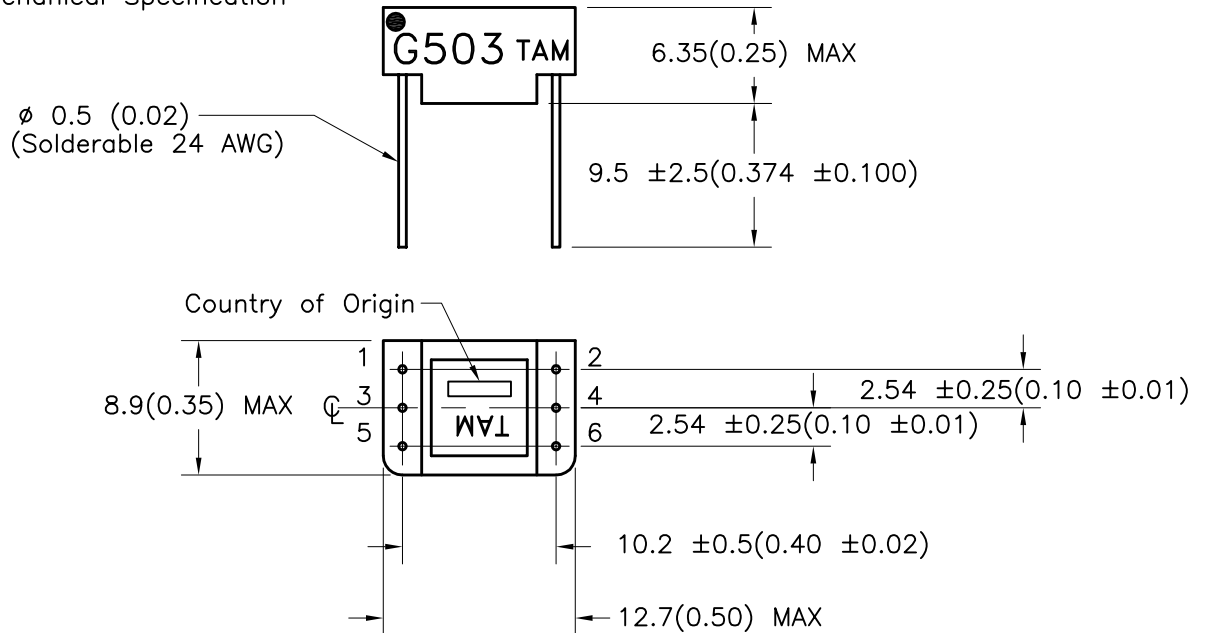
C. Schematic diagram



MODEL NUMBER
G503



D. Mechanical Specification



PREPARED BY:

K. BRENNAN

ENGINEER:
M. PITCHAI

DWG CONTROL NO. P-A1-10629
ACAD\G-SER\A1106291.DWG
REV B

PULSE TRANSFORMER

G503

QUALITY CONTROL:
T. CLEM

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
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MODEL SPECIFICATION
DIM: mm(In) SCL: 2/1 SH: 1 OF 1

APPROVED:

Y. SEKIGUCHI

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