

REV. Status

REVISION -  
7/24/91 HA

REVISION A  
REVISED DIM  
17.1±1.9  
(0.673±0.075)  
--WAS--  
9.53(0.375)MIN  
2/18/93 TS

REVISION B  
NEW FORMAT  
8/30/99 TS

Data Bus Interface Transformer

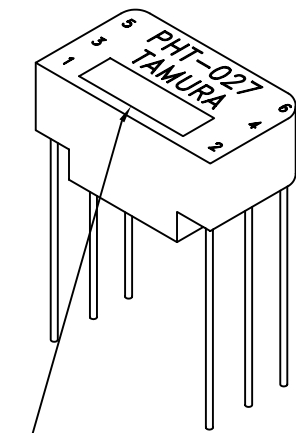
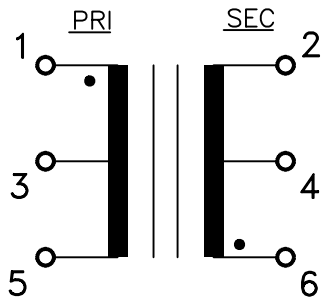
A. Electrical specification (@ 25°C)

1. Dielectric strength;  
100Vrms 5 seconds @ Pri to Sec cutoff current 1mA
2. Insulation resistance;  
10000MΩ MIN @ DC250V
3. Turns ratio;  
(1-5) : (2-6) = 1 : 1±2%  
(1-3) : (2-4) = 1 : 1±2%
4. Primary open circuit inductance;  
3.0mH MIN @ 100KHz, -55°C, 25°C, 90°C
5. Primary ET-constant  
20V μ sec MIN
6. Interwinding capacitance between primary and secondary;  
50pF MAX @ 100KHz, 0.1V
7. Primary leakage inductance with shorted secondary;  
2.7μH MAX @ 100KHz, 0.1V
8. DC Resistance;  
(1-5) = 1.25 Ω MAX  
(2-6) = 1.25 Ω MAX  
(1-3) = 0.62 Ω MAX  
(3-5) = 0.62 Ω MAX  
(2-4) = 0.62 Ω MAX  
(4-6) = 0.62 Ω MAX

B. Marking;

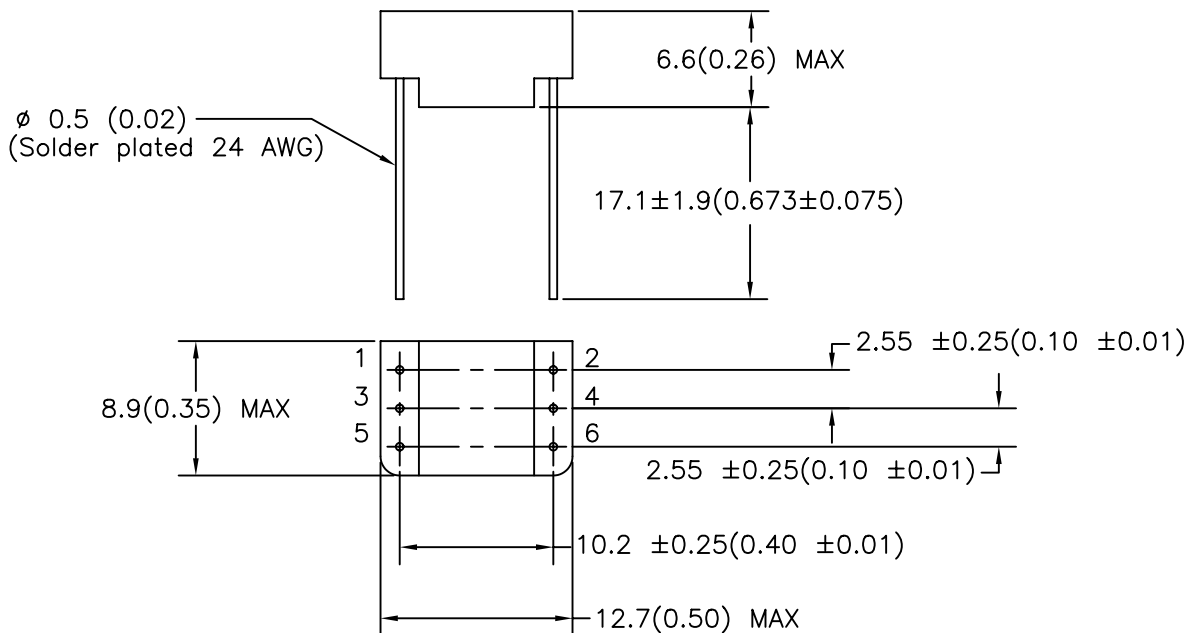
PHT-027, TAMURA, date code and country of origin

C. Schematic diagram



Date code and country of origin

D. Mechanical Specification



PREPARED BY:

D. Rund

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.  
P-A1-10454  
ACAD\A1104541.DWG

REV

B

PULSE

TRANSFORMER

**TAMURA CORPORATION OF AMERICA**

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

**PHT-027**

MODEL SPECIFICATION

DIM: mm(In) SCL: NONE SH: 1 OF 1

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.

MODEL NUMBER

**PHT-027**