

REV. Status

REVISION -
09/13/05 MP

REVISION A
REFORMATTED &
UPDATED SAFETY
04/30/07 YS

REVISION B
UPDATED SAFETY
05/22/08 MP

A. Electrical Specifications (@ 25°C)

- Maximum Power: 1.2VA
- Primary Voltage and Frequency: 120VAC, 60Hz
- Secondary RMS Rating: See Table A (on sheet 2)
- Voltage Regulation: 40% MAX @ full load to no load
- Temperature Rise: 35°C MAX @ $V_{in} = 120VAC$, 60Hz and rated load condition (measured by resistance method).
- Insulation Resistance:
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core
100MΩ MIN @ 500VDC, Sec to Core
- Dielectric Withstand:
3000Vrms @ Pri to Sec, Pri to Core
500Vrms @ Sec to Core



B. Marking: TAMURA, part number (see sheet 2), date code and country of origin

C. Safety:

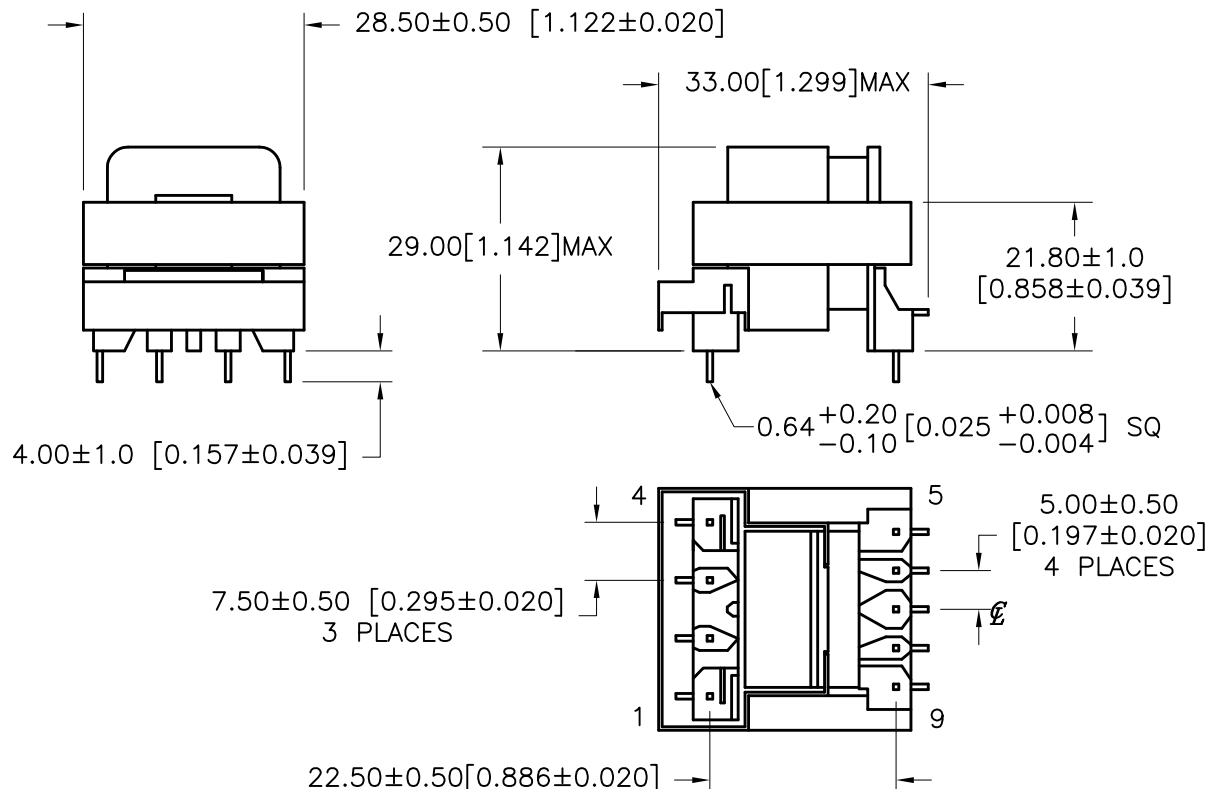
Conforms to construction requirements of
UL60950-1
UL60335-1
UL60065
UL5085-3
Class B (130°C) Electrical Insulation System
Class 2 or 3 output

Part Number
(See sheet 2)

Date code

Country of origin

D. Mechanical Specifications:



GENERAL TOLERANCES

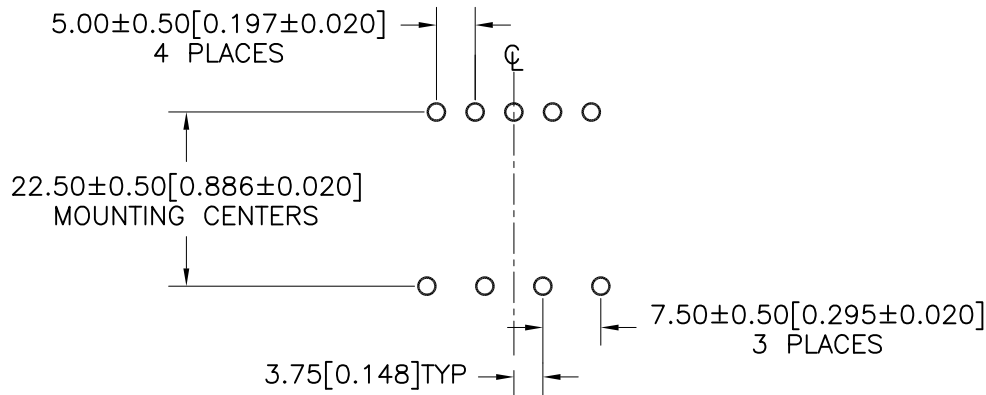
mm	Inches
X.X±0.25	X.XX±0.010
X.XX±0.13	X.XXX±0.005

PREPARED BY:

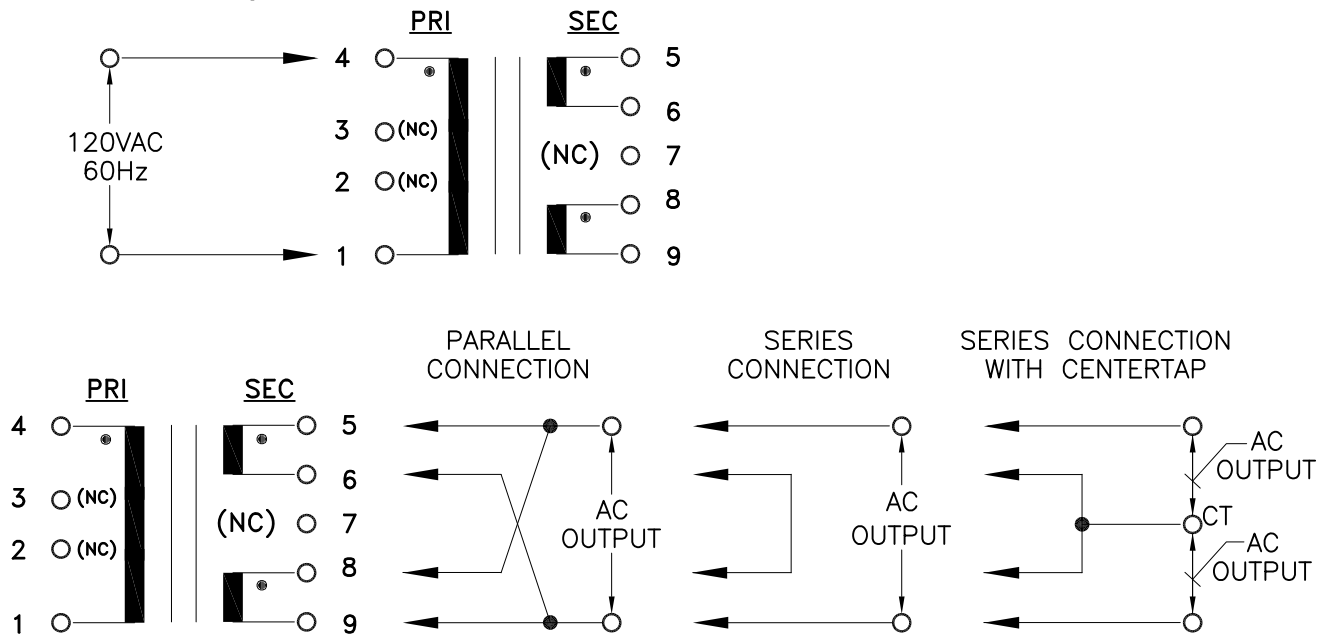
K. BRENNAN

ENGINEER: M. PITCHAI	DWG CONTROL NO. P-A1-13105 ACAD\MXFMR\A1131051.DWG	REV B	1.2VA PCB SMALL POWER TRANSFORMER	SB2812-12XX
SAFETY ENGINEER B. OCONNELL	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE	43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (951) 699-1270 FAX 9516769482	TAMURA CORPORATION OF AMERICA	MODEL SPECIFICATION
APPROVED: T. BROOKS	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.			
	DIM: mm(In)	SCL: 1/1	SH: 1 OF 2	

E. Mounting Footprint:



F. Schematic Diagram:



G. Table A:

(** Class 3 Output)

PART NO.	PARALLEL CONNECTION		SERIES CONNECTION		SERIES CONNECTION WITH CT		OUTPUT
	AC VOLTS	RMS mAMPS	AC VOLTS	RMS mAMPS	AC VOLTS	RMS mAMPS	
SB2812-1204	2.0	600	4.0	300	2.0-CT-2.0	300	2X2.0V
SB2812-1206	3.0	400	6.0	200	3.0-CT-3.0	200	2X3.0V
SB2812-1210	5.0	240	10.0	120	5.0-CT-5.0	120	2X5.0V
SB2812-1214	7.0	170	14.0	85	7.0-CT-7.0	85	2X7.0V
SB2812-1216	8.0	150	16.0	75	8.0-CT-8.0	75	2X8.0V
SB2812-1218	9.0	130	18.0	65	9.0-CT-9.0	65	2X9.0V
SB2812-1222	11.0	110	22.0	55	11.0-CT-11.0	55	2X11.0V
SB2812-1224**	12.0	100	24.0	50	12.0-CT-12.0	50	2X12.0V
SB2812-1226**	13.0	90	26.0	45	13.0-CT-13.0	45	2X13.0V
SB2812-1230**	15.0	80	30.0	40	15.0-CT-15.0	40	2X15.0V

GENERAL TOLERANCES

mm Inches

X.X±0.25 X.XX±0.010

X.XX±0.13 X.XXX±0.005

PREPARED BY:

K. BRENNAN

ENGINEER:

M. PITCHAI

SAFETY ENGINEER

B. OCONNELL

APPROVED:

T. BROOKS

DWG CONTROL NO.

P-A1-13105

ACAD\MXFMR\A1131052.DWG

REV

B

1.2VA PCB

SMALL POWER TRANSFORMER

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624

(951) 699-1270 FAX 9516769482

SB2812-12XX

MODEL SPECIFICATION

DIM: mm(In)

SCL: 1/1

SH: 2 OF 2

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