

REV. Status

REVISION -
09/13/05 MP

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

REVISION B
UPDATED SAFETY
05/22/08 MP

REVISION C
UPDATED SAFETY
11/06/08 MP

REVISION D
UPDATED CLASS
2 & 3 INFO.
3-19-09 MP

REVISION E
UPDATED SAFETY
5-28-09 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

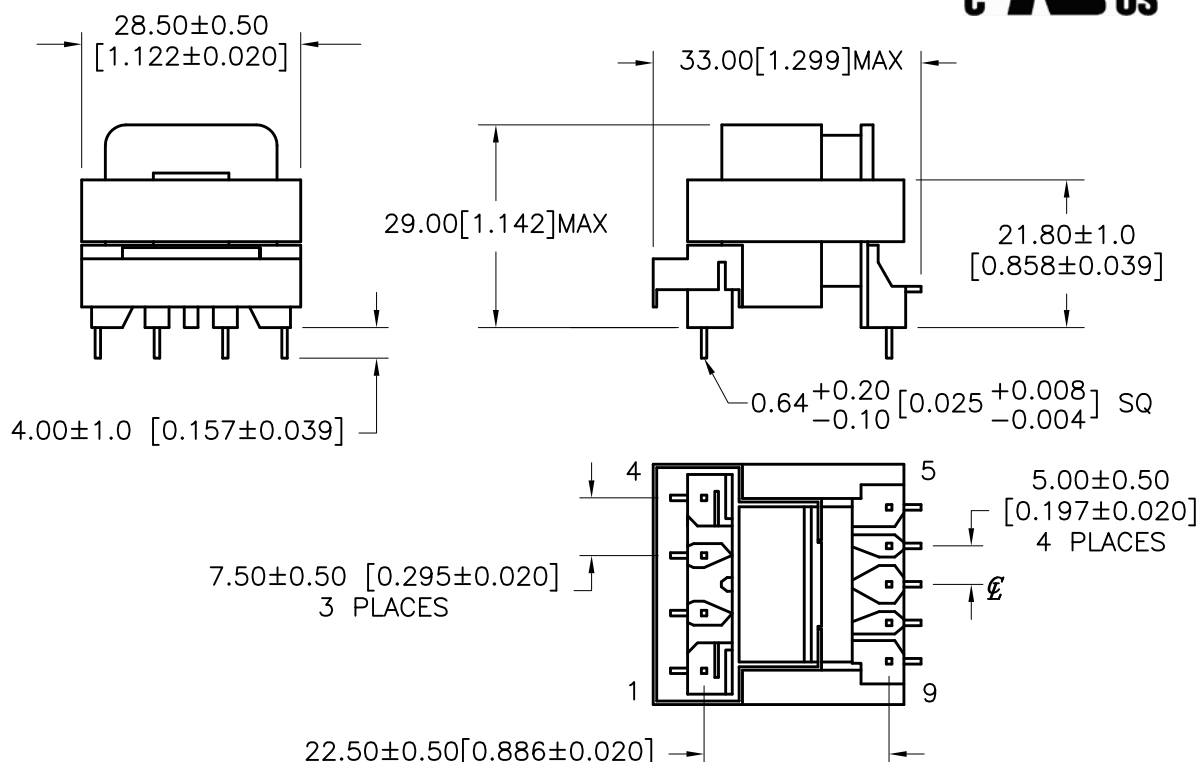
UL60065

UL5085-3/CSA No66.3 (UL FILE E64149)

Class 2 or 3 output, Inherently limited.

UL-Recognized Electrical Insulation System rated 130°C(B) for Use as Reinforced Insulation, or where Double Insulation is required in accordance with UL1097.

D. Mechanical Specifications:



PREPARED BY:

C. POPPE

ENGINEER:

MATHI PITCHAI

SAFETY ENGINEER

B.O.

APPROVED:

T.B.

DWG CONTROL NO.

P-A1-13105

ACAD\MXFMR\A1131051.DWG

REV

E

1.2VA PCB

SMALL POWER TRANSFORMER

CONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
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TAMURA CORPORATION OF AMERICA

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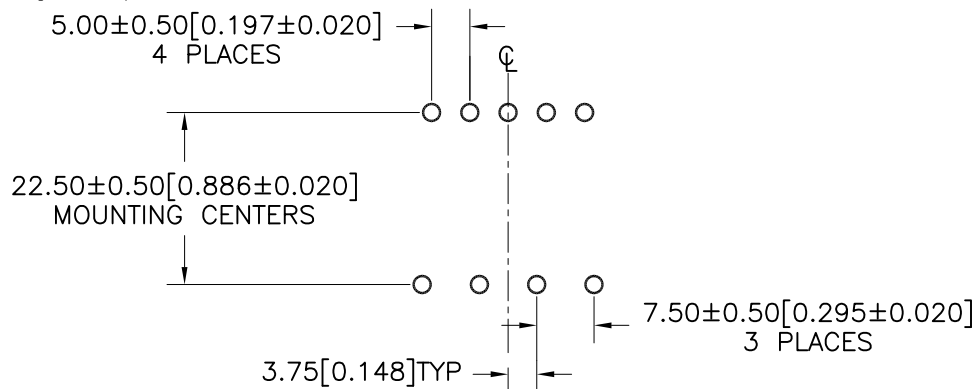
SB2812-12XX

MODEL SPECIFICATION

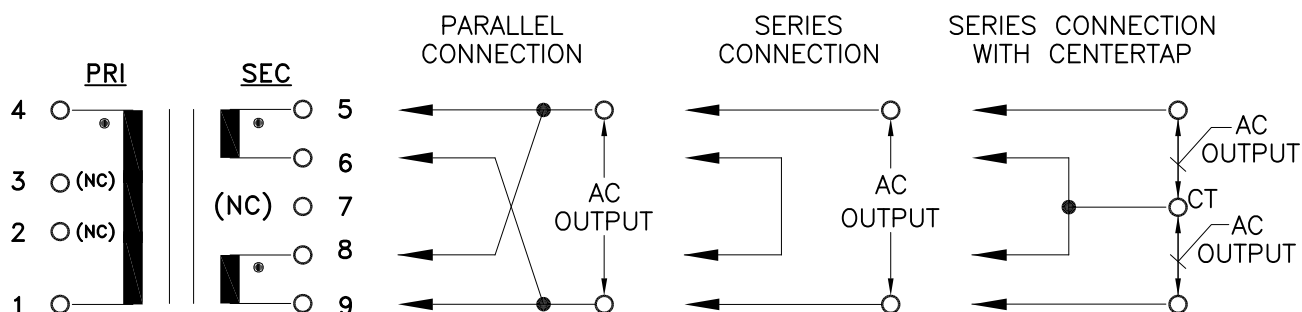
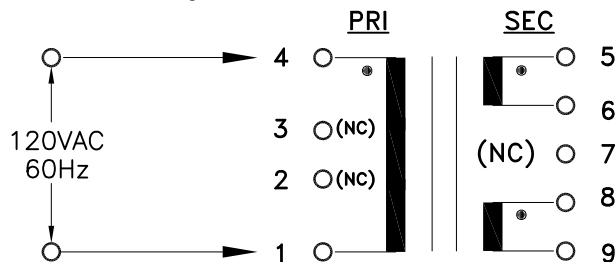
DIM: mm[In] SCL: 1/1 SH: 1 OF 2

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E. Mounting Footprint:



F. Schematic Diagram:



G. Table A:

(** Series Output is Class 3, Parallel Output is Class 2)

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

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P-A1-13105
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MODEL SPECIFICATION

DIM: mm[In] SCL: 1/1 SH: 2 OF 2

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MODEL NUMBER

SB2812-12XX

Mouser Electronics

Authorized Distributor

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Tamura:

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