

PA3321NL

NOTICE: THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF PULSE WHO RESERVES ALL RIGHTS THERETO.

TEST NOTES:

UNLESS OTHERWISE SPECIFIED, TESTING IS PERFORMED AT 25°C ±5°C.

1. TURNS RATIO AND POLARITY: (100%) AT 10 KHz, 1.0 VRMS WITH UNGAPPED CORES

- (1*-3) : (2*-4); 1:1 = 1.00 ±2%
- (1*,2*-3,4) : (11*,12*-9,10); 15:1 = 15.00 ±2%
- (1*,2*-3,4) : (9*,10*-7,8); 15:1 = 15.00 ±2%

2. INDUCTANCE: (100%) AT 10 KHz, .470 VRMS

(1,2 -3,4) = 128 uH ±10%

3. LEAKAGE INDUCTANCE: (SAMPLE) AT 100 KHz, 0.47 VRMS

(1,2-3,4) WITH (7, 8, 9, 10, 11, 12 SHORTED) = 6.5 uH MAXIMUM

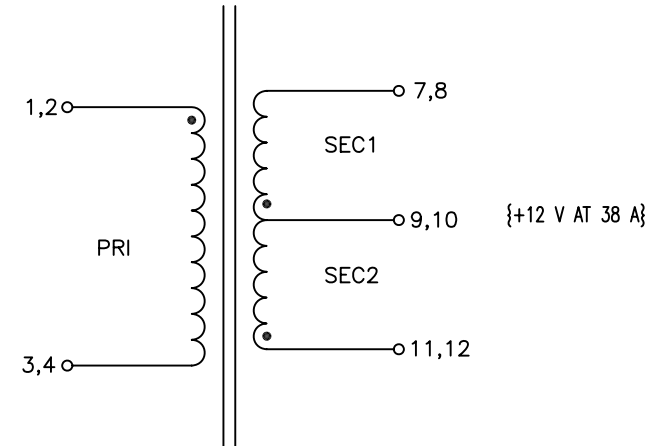
4. DCR: (SAMPLE)

- (1-3) = 205 mOHMS TYP, 235 mOHMS MAX
- (7,8-9,10) = 1.5 mOHMS TYP, 2.0 mOHMS MAX
- (9,10-11,12) = 1.50 mOHMS TYP, 2.0 mOHMS MAX
- (2-4) = 215 mOHMS TYP, 245 mOHMS MAX

5. HIPOT: (100%)

- (1, 2, 3, 4) TO (7, 8, 9, 10, 11, 12) = 3000 VAC FOR 1 MINUTE
- (1, 2, 3, 4) TO CORE = 3000 VAC FOR 1 MINUTE
- (7, 8, 9, 10, 11, 12) TO CORE = 1500 VAC FOR 1 MINUTE

TOPOLOGY: RESONANT HALF BRIDGE
 INPUT: PFC (295-400 VDC)
 FREQUENCY = 110 KHz



SCHMATIC

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE:

DECIMALS .XX ±.01
 ANGLES ± 1°
 .XXX ±.005
 DO NOT SCALE DRAWING

SIZE A301961
 SCALE NONE

CAGE CODE PA3321NL
 DWG. NO. PA3321NL-5
 CADD FILE
 SHEET 5 OF 6

REV X2

PA3321NL-6

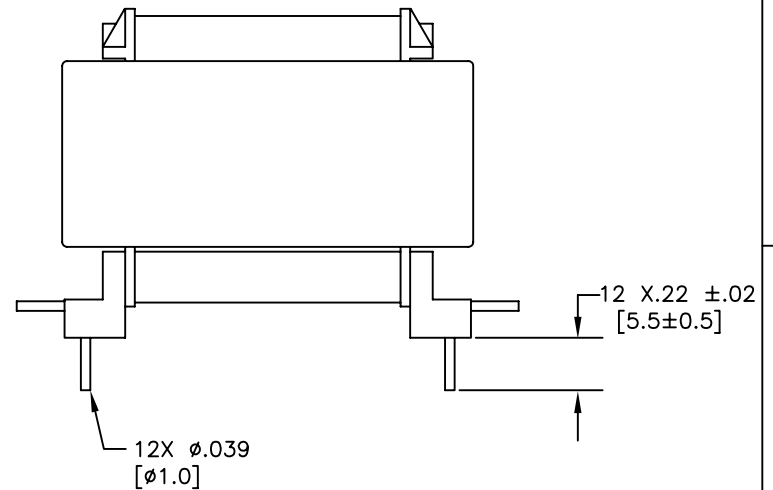
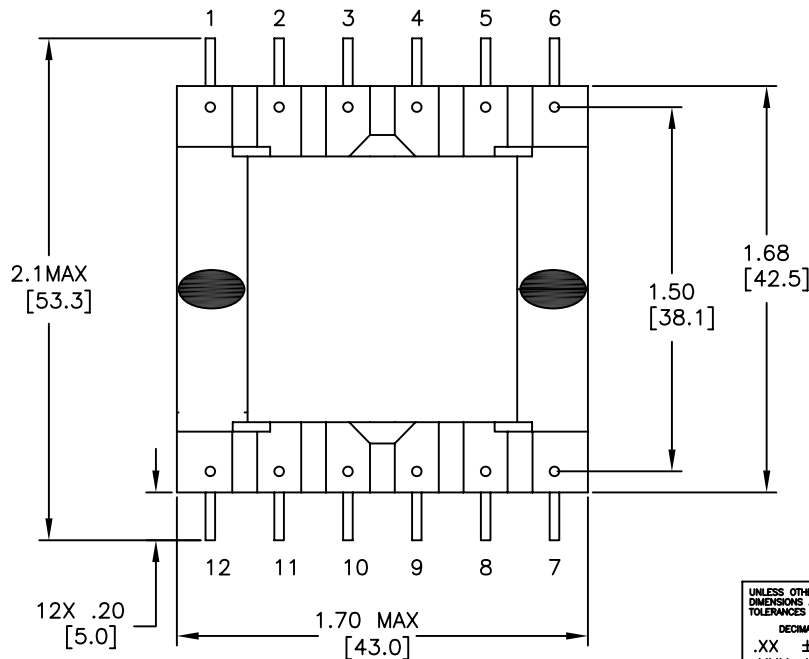
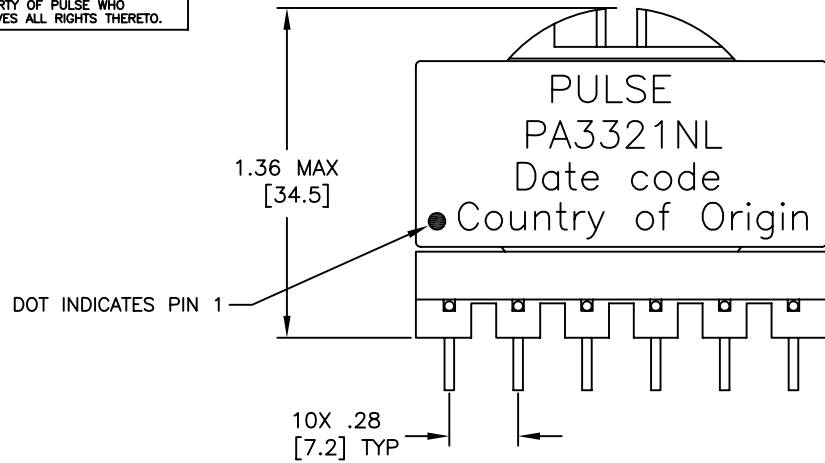
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D

C

B

A



NOTES:

THE DESIGN OF THIS PART IS INTENDED TO MEET THE BELOW LISTED SAFETY AGENCY REQUIREMENTS. PULSE HAS NOT HAD THIS PART REVIEWED, APPROVED OR LISTED BY ANY SAFETY AGENCY.

- PRI TO SEC INSULATION: REINFORCED*
- PRI TO SEC CREEPAGE: 8.0mm MIN. (MATERIAL GROUP IIIb)
- PRI TO SEC CLEARANCE: 4.0mm MIN.
- INSULATION SYSTEM: NOT REQUIRED

* AS DEFINED BY UL60950-1

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DECIMALS	ANGLES
.XX ±.01	± 1°
.XXX ±.005	

DO NOT SCALE DRAWING

SIZE	CAGE CODE	DWG. NO.	REV
B01961		PA3321NL	X2
SCALE	CADD FILE	SHEET	
2/1	PA3321NL-6	6 OF 6	