

PA4141NL

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TEST NOTES:

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

- 1. POLARITY AND TURNS RATIO (100%) @ 10KHz, 1 VRMS TURNS [USE UNGAPPED CORES]:

(1*-3) : (2*-4); 1:1 = 1.00 ±2%
 (1*-3) : (5*-6); 2:1 = 2.00±2%
 (1*-3) : (7*,8*,9*-10,11,12); 2:1 = 2.00±2%

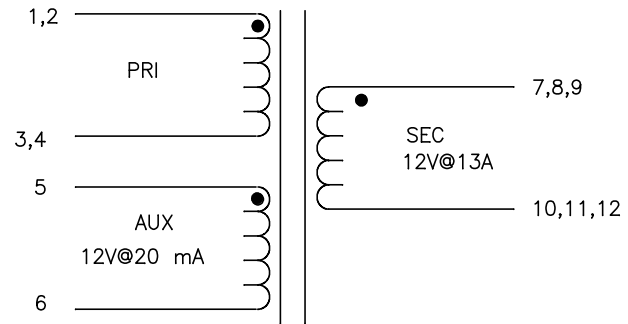
- 2. INDUCTANCE (OCL): @ 100 KHz, 300 mV, (100%)
 (1,2 - 3,4) = 50 uH ±10% @ 0 ADC

- 3. LEAKAGE INDUCTANCE: 100KHz, 300mV, (SAMPLE)
 (1,2-3,4) WITH (5,6,7,8,9,10,11,12) SHORTED = 250 nH (MAX)

- 4. DCR: (SAMPLE)
 (1-3)= 30 mOHMS(TYP), 35 mOHMS(MAX)
 (2-4)= 35.0 mOHMS(TYP), 40 mOHMS(MAX)
 (7,8,9-10,11,12)= 3.75 mOHMS(TYP), 4.25 mOHMS (MAX),
 (5-6)=250 mOHMS (MAX)

- 5. HIPOT(100%): 50/60 Hz
 (1,2,3,4,5,6) TO (7,8,9,10,11,12) = 1500 VAC, 1 MINUTE OR 1650 VAC, 6 SEC
 (1,2) TO (5,6) = 500 VAC, 1 MINUTE OR 600 VAC, 6 SEC
 (1,2,3,4,5,6,7,8,9,10,11,12) TO CORE = 500 VAC, 1 MINUTE OR 600 VAC, 6 SEC

TOPOLOGY: AC FORWARD
 VIN=40-60VDC
 FREQ=250 KHz



SCHEMATIC

NOTES:
 -SHORT PINS 1 TO 2, 3 TO 4 ON THE PCB
 -SHORT PINS 7 TO 8 TO 9 AND 10 TO 11 TO 12 ON THE PCB

NOTES:
 1. NL SUFFIX DENOTES ROHS 6/6 COMPLIANT
 2. OPERATING TEMPERATURE RANGE IS -40°C TO +120°C

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE:
 DECIMALS ANGLES
 .XX ±.01 ± 1°
 .XXX ±.005
 DO NOT SCALE DRAWING

SIZE	CAGE CODE	DWG. NO.	REV
B101961		PA4141NL	S0
SCALE	CADD FILE	SHEET	
NONE	PA4141NL-5	5 OF 6	

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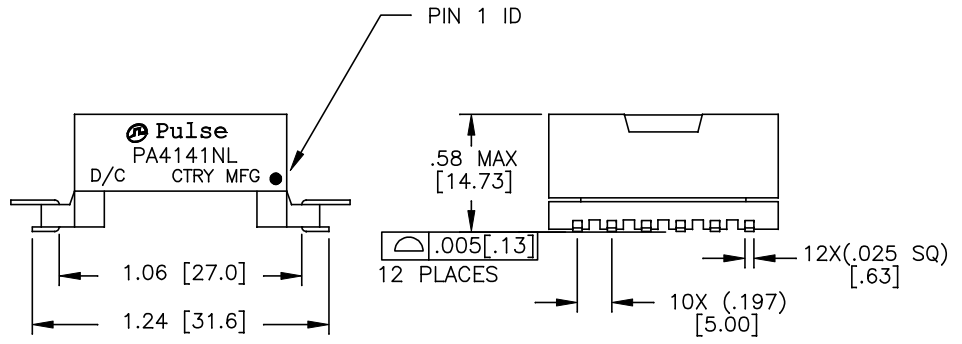
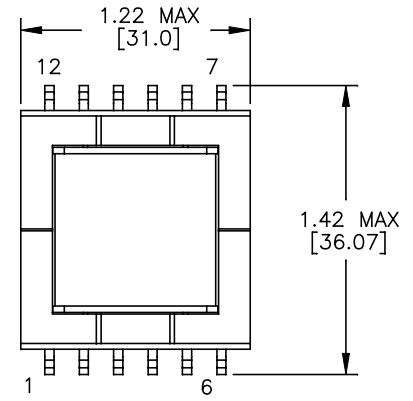
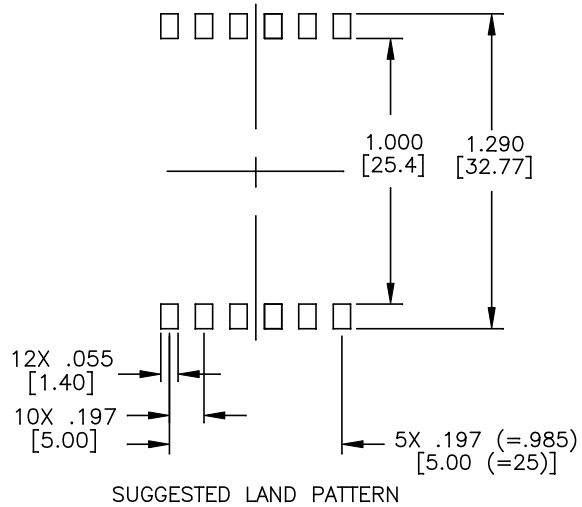
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FINAL OUTLINE NOTE:
 1. DIMENSIONS IN PARANTHESIS [] ARE IN MILLIMETERS.

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE:			
DECIMALS	ANGLES	SIZE	CAGE CODE
.XX ±.01	± 1°	B01961	DWG. NO.
.XXX ±.005		SCALE NONE	PA4141NL-6
DO NOT SCALE DRAWING		CADD FILE	REV S0
			SHEET 6 OF 6