

PAT6042NL

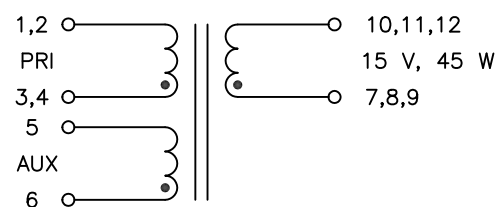
NOTICE: THE INFORMATION AND
DESIGN CONTAINED HEREIN IS THE
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TEST NOTES:
UNLESS OTHERWISE SPECIFIED, TESTING IS PERFORMED AT $25^{\circ} \pm 5^{\circ} \text{ C}$.
TURNS RATIO IS MEASURED WITH UNGAPPED CORES.

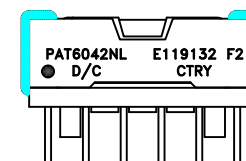
PARAMETER	SPECIFICATION	
TURNS RATIO AND POLARITY 10 kHz, 1 VRMS (100%)	(3*-1):(7*,8*,9*-10,11,12)	1.67 $\pm 2\%$
	(3*-1):(6*-5)	1.88 $\pm 2\%$
INDUCTANCE 100 kHz, 25 mVRMS	(3*,4*-1,2) = 52 $\mu\text{H} \pm 15\%$ AT 0 ADC (100%) (3*,4*-1,2) = 37 μH MINIMUM AT 5.3 ADC (SAMPLE)	
LEAKAGE INDUCTANCE 100 kHz, 25 mVRMS (SAMPLE)	(3,4-1,2); SHORT 7,8,9,10,11,12	0.70 μH MAX
DCR: (SAMPLE)	(3,4-1,2) (7,8,9-10,11,12) (6-5)	32 mOHMS MAX 27 mOHMS MAX 190 mOHMS MAX
HIPOT: 50/60 Hz PER PQ: 3.019.000 (100%)	(1,2,3,4) TO CORE (1,2,3,4) TO (7,8,9,10,11,12)	1500 VAC, 60 SECONDS 1500 VAC, 60 SECONDS
MECHANICAL DIMENSIONS PER FINAL OUTLINE OR PACKAGE SPECIFICATION. (100%)		

CUSTOMER 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.
 - PRIMARY TO SECONDARY INSULATION REINFORCED AS DEFINED BY UL60950-1.
 - PRIMARY TO SECONDARY CREEPAGE: 1.5 mm MINIMUM (MATERIAL GROUP IIIB)
 - PRIMARY TO SECONDARY CLEARANCE: 1.5 mm MINIMUM
 - INSULATION SYSTEM: CLASS F2, E119132 V1 S7
- OPERATING TEMPERATURE RANGE = -40° C TO 125° C (AMBIENT + SELF RISE)
- TOPOLOGY: CM FLYBACK
VIN: 19-57 VDC
VOUT: 15 V
FREQUENCY: 200 kHz



SCHEMATIC



FINAL OUTLINE



METRIC

THIRD ANGLE PROJECTION

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

DECIMALS ANGLES
.X $\pm .2$ $\pm 1^{\circ}$
.XX $\pm .10$
DO NOT SCALE DRAWING

SIZE

CAGE CODE

DWG. NO.

B01961

PAT6042NL

REV

10

SCALE

NONE

CADD FILE

PAT6042NL-10

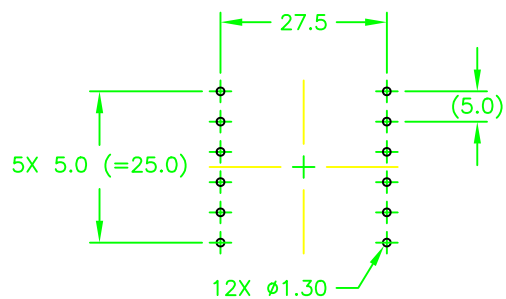
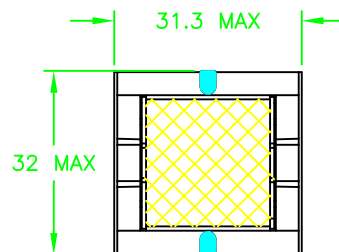
SHEET

4 OF 5

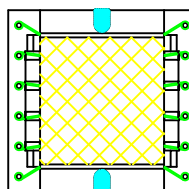
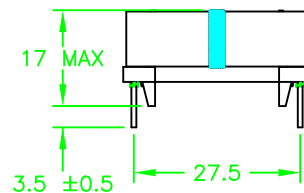
22NOV2019

PAT6042NL

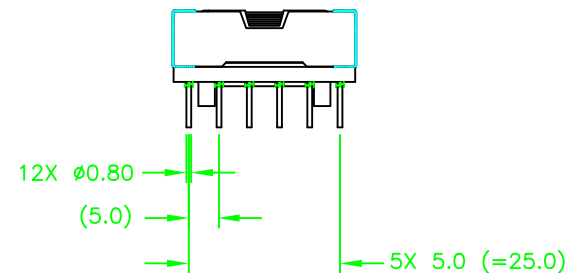
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SUGGESTED THRU HOLE LAYOUT
TOLERANCES ± 0.05
CUSTOMER TO DETERMINE HOLE LAYOUT

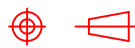


FINAL OUTLINE



METRIC

THIRD ANGLE PROJECTION



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

DECIMALS .X ± 0.2 ANGLES $\pm 1^\circ$
.XX ± 0.10
DO NOT SCALE DRAWING

SIZE CAGE CODE DWG. NO.
B 01961
SCALE NONE CADD FILE

PAT6042NL

REV 10

PAT6042NL-10

SHEET 5 OF 5

22NOV2019