

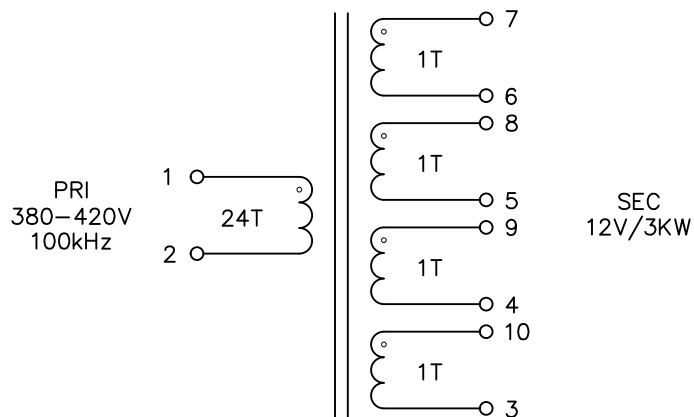


NOTES: UNLESS OTHERWISE SPECIFIED

1. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
2. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIA J-STD-003A.
3. OPERATING TEMPERATURE: -40°C TO +125°C (INCLUDE THE TEMPERATURE RISE).
4. STORAGE TEMPERATURE: -40°C TO +125°C.
5. ALL PINS LENGTH DON'T INCLUDE TIN ICICLE.

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

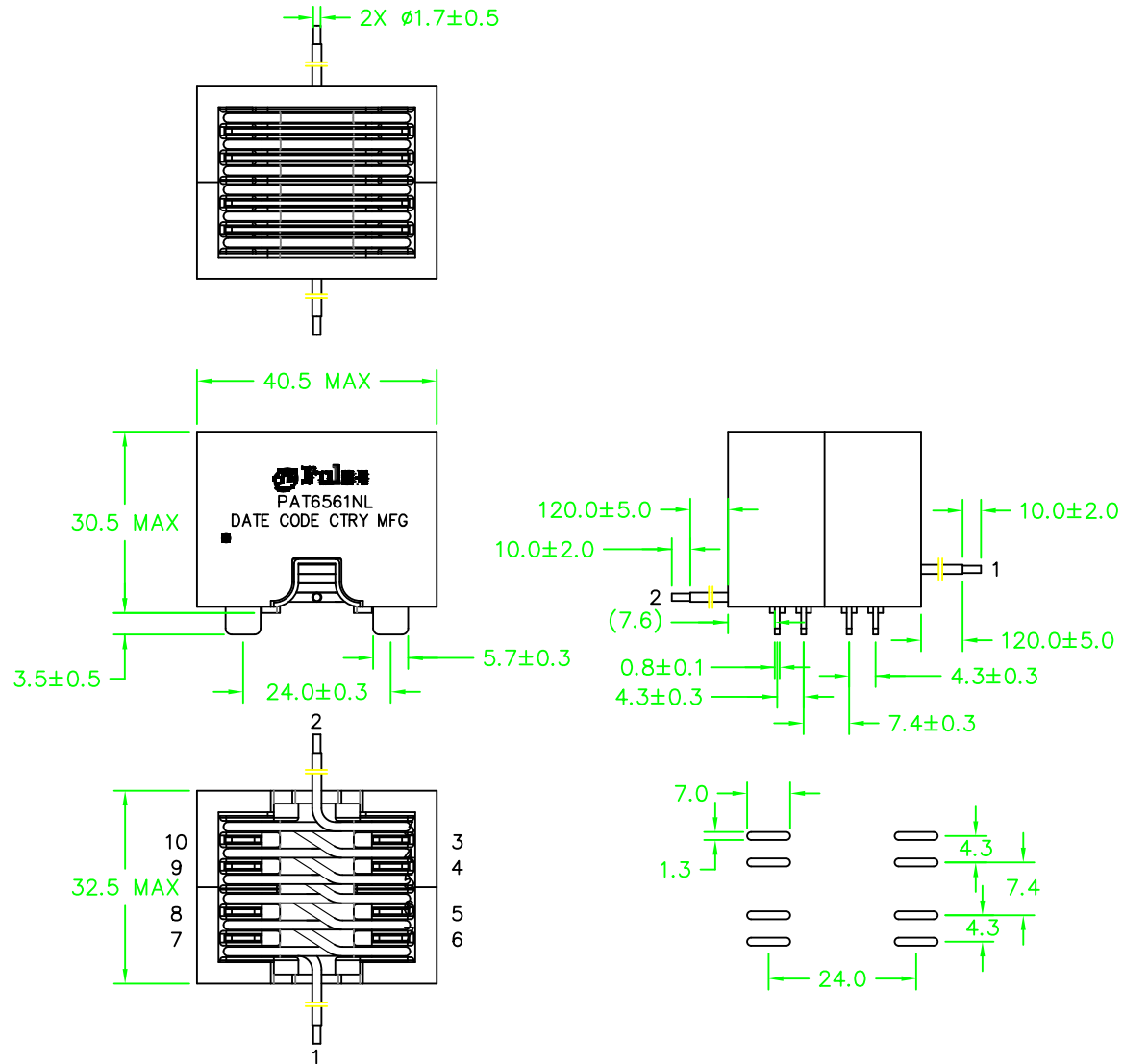
1. TURNS RATIO AND POLARITY: AT 100 kHz, 0.1 VRMS W/ UNGAPPED CORES
 $(1^*-2) : (10^*-3) = 24.00 \pm 3\%$
 $(1^*-2) : (9^*-4) = 24.00 \pm 3\%$
 $(1^*-2) : (8^*-5) = 24.00 \pm 3\%$
 $(1^*-2) : (7^*-6) = 24.00 \pm 3\%$
2. HIPOT: AT 50/60 Hz 1 mA 6 SECONDS
(PRI-SEC) = 3000 VAC
(PRI-CORE) = 1500 VAC
(SEC-CORE) = 500 VAC
3. INDUCTANCE: AT 100 kHz, 0.1 VRMS
 $(1-2) = 780.00 \mu\text{H} \pm 15\%$ AT 0 ADC
4. LEAKAGE INDUCTANCE AT 100 kHz, 0.1 VRMS
 $(1-2)$ W/ OTHER PINS SHORTED = $5.00 \mu\text{H} \pm 20\%$
5. DCR:
 $(1-2) = 50.00 \text{ mOHMS MAXIMUM}$
 $(3-10) = 0.50 \text{ mOHMS MAXIMUM}$
 $(4-9) = 0.50 \text{ mOHMS MAXIMUM}$
 $(5-8) = 0.50 \text{ mOHMS MAXIMUM}$
 $(6-7) = 0.50 \text{ mOHMS MAXIMUM}$



SCHEMATIC

MX2	UPDATED THE DESIGN	02SEP2021
MX1	PROTOTYPE DESIGN	26AUG2021
REV	DESCRIPTION	DATE
REVISION HISTORY		

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	XFMR,PSFB,3KW,EW39,TH	-	HARVEY/GEORGE	PAT6561NL	1/ 2	MX2



FINAL OUTLINE

SUGGESTED LAND PATTERN

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS
 TOLERANCES ARE:
 DECIMALS ANGLES
 .X ±0.25 ± 1°
 .XX ±0.13
 DO NOT SCALE DRAWING
METRIC
 THIRD ANGLE PROJECTION

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 XFMR,PSFB,3KW,EW39,TH

CUSTOMER
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DESIGN ENGINEER
 HARVEY/GEORGE

PART NO.
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SHEET
 2 / 2

REV.
 MX2