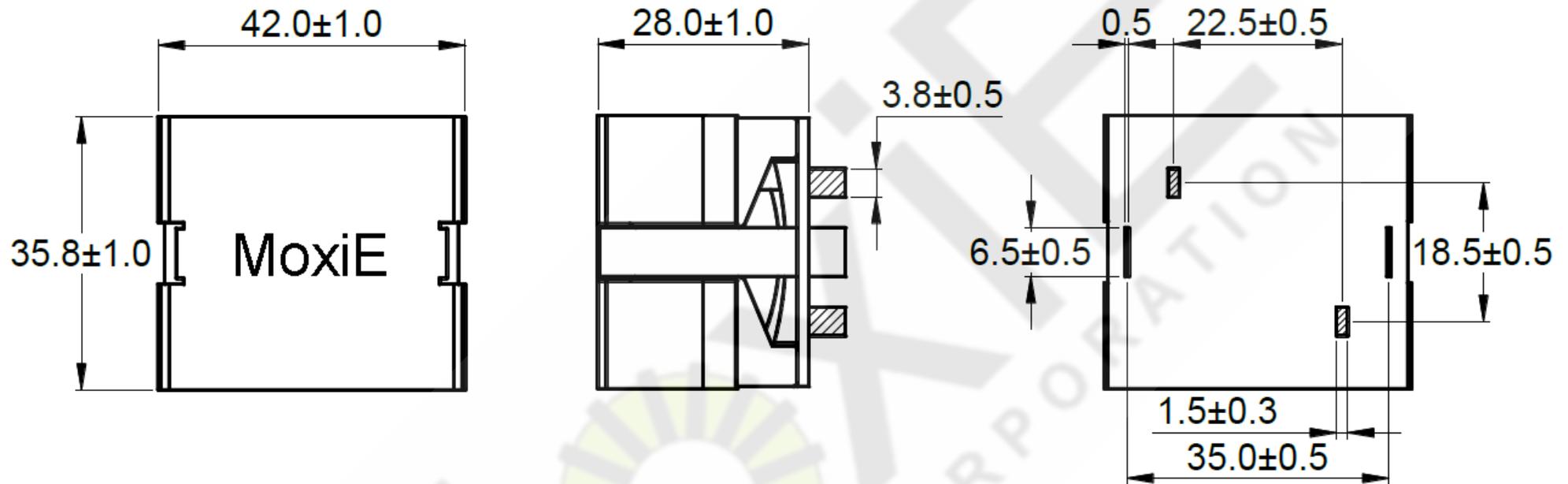


MECHANICAL (mm)



MOXIE NOTES:

The following MoxiE Inductor Corporation Specification shall be considered Confidential in nature. Each person or persons in receipt of this specification shall not disclose any confidential information in whole or in part without written authorization from MoxiE Inductor Corporation.

- Flat wire winding design provides low DC and AC resistance.
- High inductance, high current, low magnetic loss, low ESR and low parasitic capacitance.
- High current power design suitable for power supply applications.
- Thru-hole mounting for robust board placement.
- Packaging: Plastic tray (12 pieces per tray) 60 pieces per carton.
- Operating temperature: -40°C to $+125^{\circ}\text{C}$.
- Storage temperature: -40°C to $+125^{\circ}\text{C}$.
- RoHS Compliant.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.

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HIGH CURRENT POWER INDUCTOR

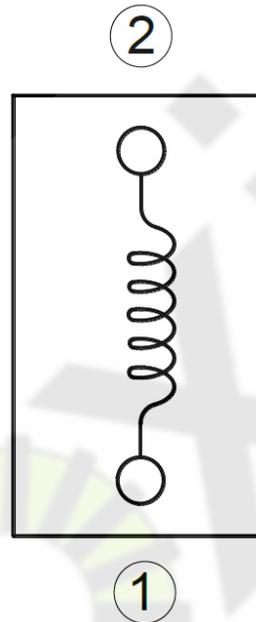
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PAGE 1/3

REV. A

DWG : MOXHCP14233

SCHEMATIC



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PAGE 2/3

REV. A

DWG : MOXHCP14233

ELECTRICAL

MOXIE PART NUMBER	INDUCTANCE (μ H)	TOLERANCE (\pm)	DCR (m Ω) TYPICAL	DCR (m Ω) MAXIMUM	SATURATION CURRENT (A) TYPICAL	TEMPERATURE RISE CURRENT (A) TYPICAL
MOX-HCPI-4233-6R8M	6.80	20%	2.75	2.90	97.90	34.00
MOX-HCPI-4233-100M	10.00	20%	2.75	2.90	61.00	34.00
MOX-HCPI-4233-150M	15.00	20%	2.75	2.90	47.50	34.00
MOX-HCPI-4233-220M	22.00	20%	2.75	2.90	35.50	34.00
MOX-HCPI-4233-330M	33.00	20%	2.75	2.90	24.90	34.00
MOX-HCPI-4233-470M	47.00	20%	2.75	2.90	17.80	34.00
MOX-HCPI-4233-680M	68.00	20%	2.75	2.90	12.30	34.00
MOX-HCPI-4233-101M	100.00	20%	2.75	2.90	7.90	34.00
MOX-HCPI-4233-151M	150.00	20%	2.75	2.90	4.98	34.00
MOX-HCPI-4233-221M	220.00	20%	10.30	11.30	7.25	17.50
MOX-HCPI-4233-331M	330.00	20%	10.30	11.30	4.75	17.50
MOX-HCPI-4233-471M	470.00	20%	10.30	11.30	3.25	17.50

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- Inductance measured condition: 100kHz, 0.1V.
- Saturation current: Actual value of DC current when the inductance decrease 20% from initial value.
- Temperature rise current: Actual value of DC current when the temperature rise is $\Delta T40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$).
- All MoxiE test data is based on 25°C ambient temperature.
- Operating temperature: -40°C to $+125^{\circ}\text{C}$.
- Storage temperature: -40°C to $+125^{\circ}\text{C}$.
- RoHS Compliant.
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PAGE 3/3

REV. A

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