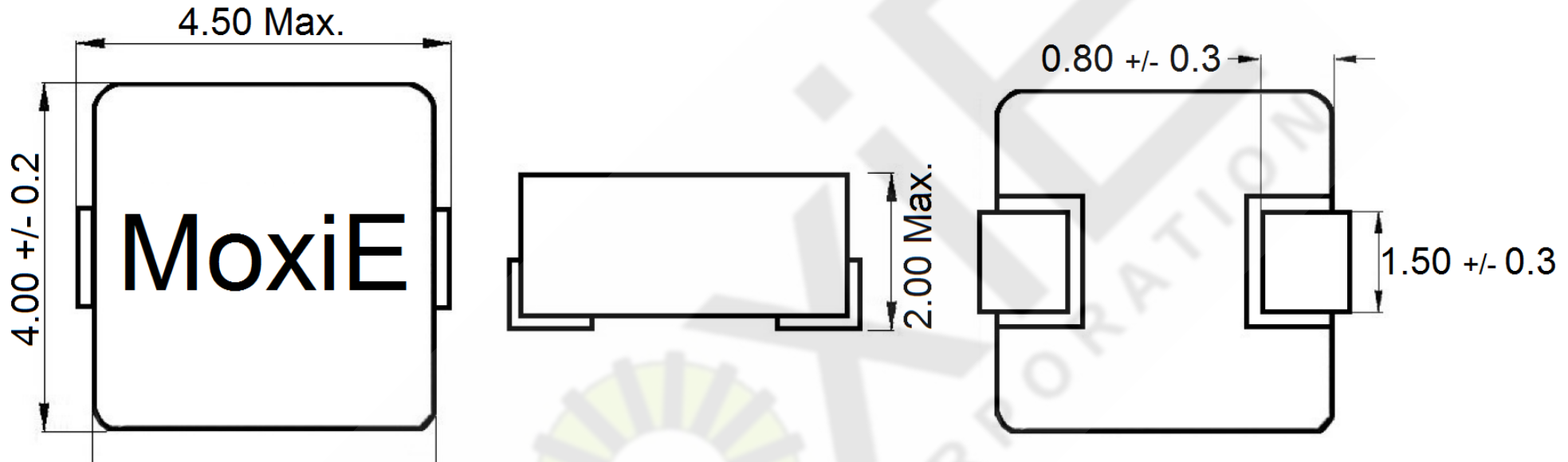


MECHANICAL (mm)



MOXIE NOTES:

- Packaging: 1,000 pieces per reel (Ø330mm reel).
- All test data is referenced at +25°C ambient.
- Inductance test frequency at 100KHz, 1Vrms.
- $\Delta T = +40^\circ\text{C}$ at approximately 1rms.
- Inductance drops approximately 30% at Isat.
- Operating temperature: -55°C to +150°C.
- Storage temperature: -55°C to +150°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.
- Tolerances unless otherwise specified: 0~10= ± 0.15 , 10~20= ± 0.20 , 20~40= ± 0.25 , 40~70= ± 0.30 , $\geq 70 = \pm 0.40$

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HIGH CURRENT METAL ALLOY POWER INDUCTORS

MOXIE MOX-SPI-2040S SERIES

PAGE 1/2

REV. B

DWG NUMBER: MOXD603SL

ELECTRICAL @ 25°C

MOXIE PART NUMBER	INDUCTANCE (μH)	TOLERANCE (±)	DCR (Ω) TYPICAL	DCR (Ω) MAXIMUM	ISAT (A) MAXIMUM	IRMS (A) MAXIMUM
MOX-SPI-2040S-R10M	0.10	20%	0.0043	0.005	33.00	11.50
MOX-SPI-2040S-R22M	0.22	20%	0.0072	0.008	25.00	9.50
MOX-SPI-2040S-R47M	0.47	20%	0.015	0.018	12.00	5.80
MOX-SPI-2040S-1R0M	1.00	20%	0.032	0.036	8.70	3.95
MOX-SPI-2040S-2R2M	2.20	20%	0.078	0.089	6.50	2.95

MOXIE NOTES:

- Packaging: 1,000 pieces per reel (Ø330mm reel).
- All test data is referenced at +25°C ambient.
- Inductance test frequency at 100KHz, 1Vrms.
- ΔT= +40°C at approximately Irms.
- Inductance drops approximately 30% at Isat.
- Operating temperature: -55°C to +150°C.
- Storage temperature: -55°C to +150°C.
- RoHS Compliant.
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- Tolerances unless otherwise specified: 0~10=±0.15, 10~20=±0.20, 20~40=±0.25, 40~70=±0.30, ≥70=±0.40

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PAGE 2/2

REV. B

DWG NUMBER: MOX0603SL