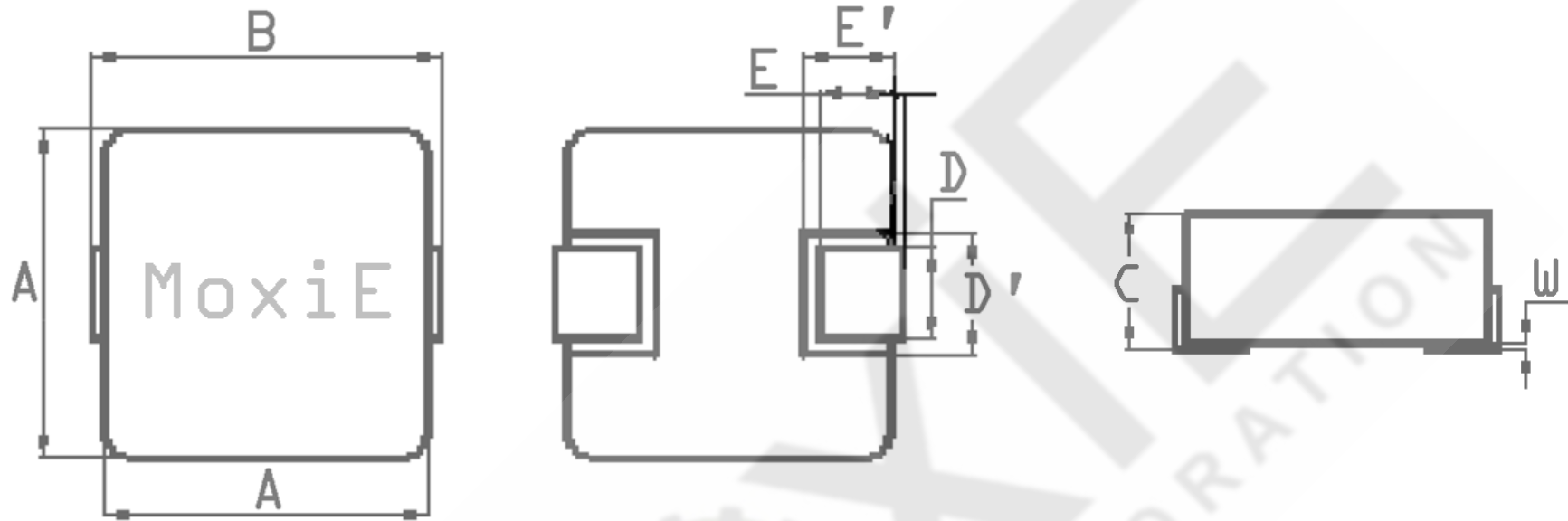


MECHANICAL (mm)



A	B	C	D	D'	E	E'	W
4.00±0.20	4.50 MAX.	2.00 MAX.	1.50±0.30	2.20±0.20	0.80±0.30	1.00±0.10	0.15

MOXIE NOTES:

- Packaging: 2,000 pieces per reel.
- RoHS Compliant.
- Operating temperature range: -55°C to +105°C.
- Storage temperature range: -55°C to +105°C.
- Temperature rise current: ΔT 40°C approximately at Irms.
- Saturation rated current: Inductance drop approximately 30% at Isat
- 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, ≥70=±0.40

MoxiE
INDUCTOR CORPORATION

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SURFACE MOUNT SHIELDED POWER INDUCTORS

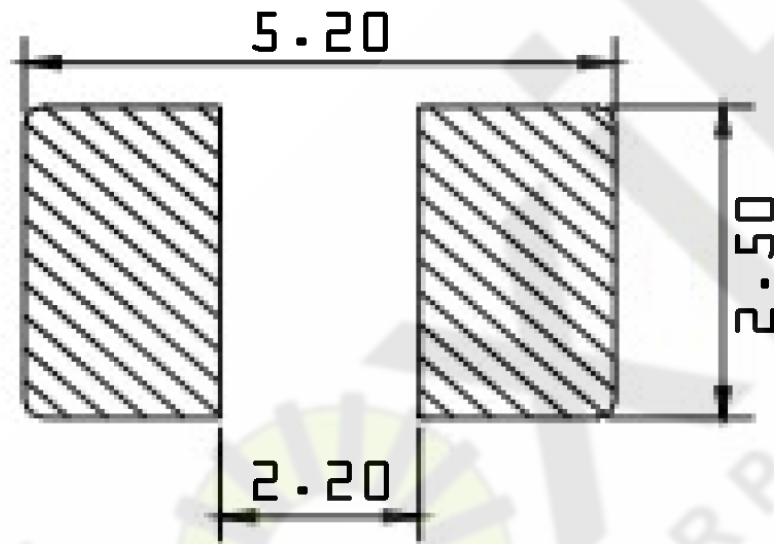
MOXIE MOX-SPI-4020 SERIES

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REV. A

DWG #: MOXSPI4020

PCB LAYOUT (mm)



MOXIE NOTES:

- Packaging: 2,000 pieces per reel.
- RoHS Compliant.
- Operating temperature range: -55°C to +105°C.
- Storage temperature range: -55°C to +105°C.
- Temperature rise current: ΔT 40°C approximately at I_{rms} .
- Saturation rated current: Inductance drop approximately 30% at I_{sat}
- 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 \pm 0.15, 10-20 \pm 0.20, 20-40 \pm 0.25, 40-70 \pm 0.30, \geq 70 \pm 0.40

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REV. A

DWG #: MOXSPI4020

ELECTRICAL @ 25°C

MOXIE PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) TYP/MAX	ISAT (A) MAX	IRMS (A) MAX
MOX-SPI-4020-R10M	0.10	4.30/5.00	32.00	11.00
MOX-SPI-4020-R22M	0.22	7.25/8.00	24.00	9.00
MOX-SPI-4020-R47M	0.47	15.50/18.00	11.50	5.60
MOX-SPI-4020-1R0M	1.00	32.50/37.00	8.50	3.75
MOX-SPI-4020-2R2M	2.20	39.50/45.00	6.00	3.25
MOX-SPI-4020-3R3M	3.30	52.50/60.00	5.00	2.85

MOXIE NOTES:

- Packaging: 2,000 pieces per reel.
- RoHS Compliant.
- Operating temperature range: -55°C to +105°C.
- Storage temperature range: -55°C to +105°C.
- Temperature rise current: ΔT 40°C approximately at Irms.
- Saturation rated current: Inductance drop approximately 30% at Isat
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- MoxiE Inductor Corporation specifications are subject to change without notice.
- Tolerances unless otherwise specified: 0-10 \pm 0.15, 10-20 \pm 0.20, 20-40 \pm 0.25, 40-70 \pm 0.30, \geq 70 \pm 0.40



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MOXIE MOX-SPI-4020 SERIES

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REV. A

DWG #: MOXSPI4020