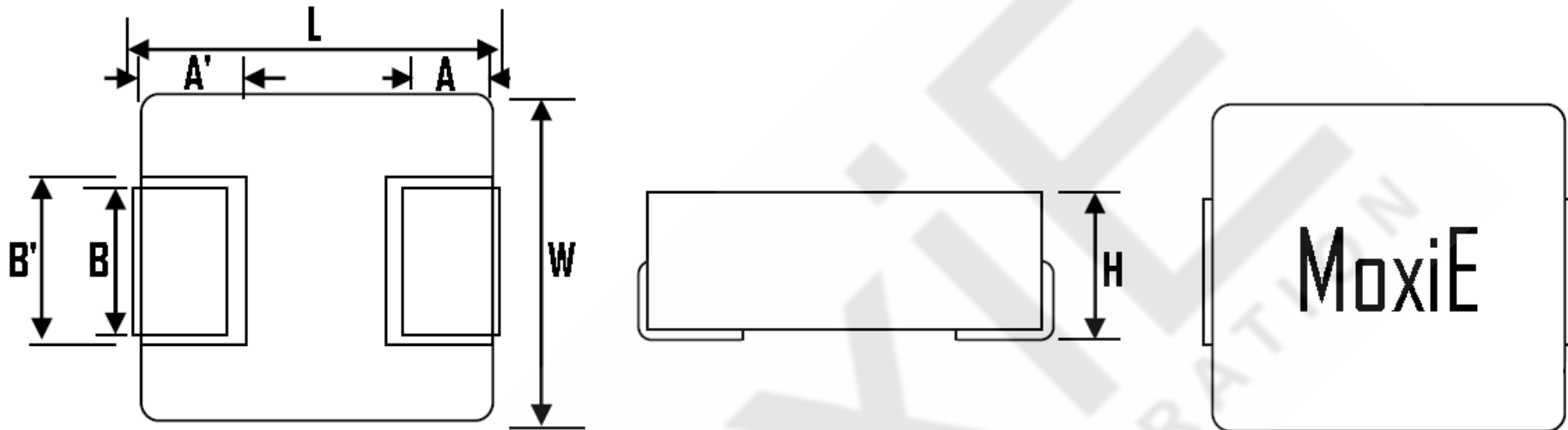


MECHANICAL (mm)



A	A'	B	B'	W	L	H
1.60 ± 0.4	2.00 ± 0.1	3.00 ± 0.3	3.40 ± 0.2	6.65 ± 0.2	7.20 ± 0.3	3.00 MAX.

MOXIE NOTES:

- Packaging: 1,500 pcs per reel (Ø330mm reel size)
- Operating temperature: -55°C to +125°C.
- Storage temperature: -40°C to +85°C.
- Inductance is measured on HP-4284A precision LCR meter under 0.25V, 100KHz.
- RDC is measured on HP 43388 milliohm meter (or equivalent)
- Isat: Based on inductance change ($\Delta L/L_0$: ≤-30%)
- Irat: Based on temperature rise (ΔT : 40°C TYP.)
- 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.

MoxiE
INDUCTOR CORPORATION

(888)535.5207 WWW.MOXIEINDUCTORS.COM

HIGH CURRENT SURFACE MOUNT POWER INDUCTOR

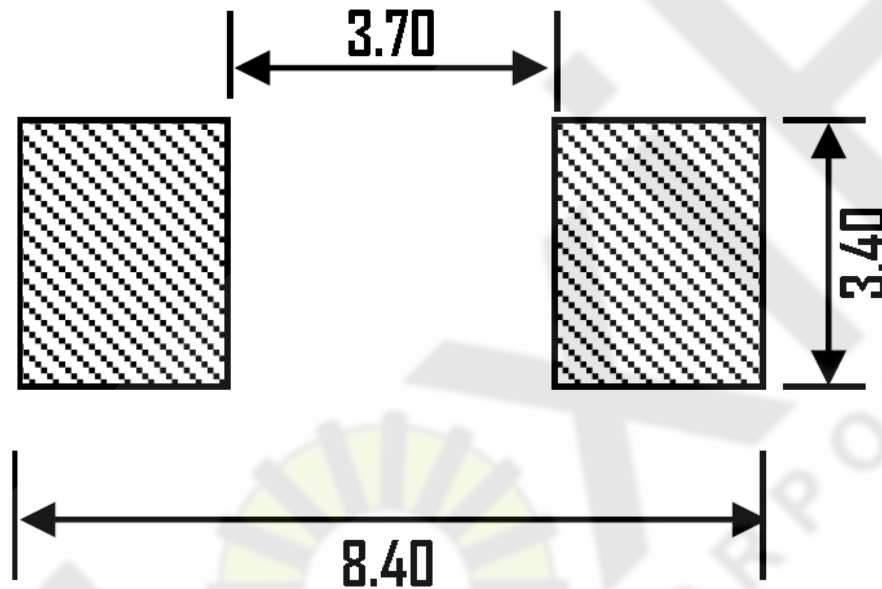
MDX-SPI-2525R SERIES

PAGE 1/3

REV. B

DWG NUMBER: MDXSPI2525R

PCB LAYOUT (mm)



MOXIE NOTES:

- Packaging: 1,500 pcs per reel (Ø330mm reel size)
- Operating temperature: -55°C to +125°C.
- Storage temperature: -40°C to +85°C.
- Inductance is measured on HP-4284A precision LCR meter under 0.25V, 100KHz.
- RDC is measured on HP 4338B milliohm meter (or equivalent)
- Isat: Based on inductance change ($\Delta L/L_0$: $\leq -30\%$)
- Irat: Based on temperature rise (ΔT : 40°C TYP.)
- 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.

MoxiE
INDUCTOR CORPORATION

(888)535.5207 WWW.MOXIEINDUCTORS.COM

HIGH CURRENT SURFACE MOUNT POWER INDUCTOR

MDX-SPI-2525R SERIES

PAGE 2/3

REV. B

DWG NUMBER: MDXSPI2525R

ELECTRICAL @ 25°C

MOXIE PART NUMBER	INDUCTANCE (μH)	TOLERANCE (±)	DCR (mΩ) TYP.	DCR (mΩ) MAX.	ISAT (A)	IRAT (A)
MOX-SPI-2525R-R47M	0.47	20%	3.20	4.10	21.00	18.50
MOX-SPI-2525R-R56M	0.56	20%	4.70	5.00	18.50	17.50
MOX-SPI-2525R-R68M	0.68	20%	6.00	6.50	17.50	1.60
MOX-SPI-2525R-R68M	0.82	20%	7.00	7.50	16.50	14.50
MOX-SPI-2525R-1R0M	1.00	20%	8.50	9.00	15.50	12.50
MOX-SPI-2525R-1R5M	1.50	20%	10.50	12.00	14.50	11.00
MOX-SPI-2525R-2R2M	2.20	20%	16.00	18.50	11.00	8.50
MOX-SPI-2525R-3R3M	3.30	20%	25.00	28.00	10.50	6.50
MOX-SPI-2525R-4R7M	4.70	20%	32.50	35.00	6.50	5.50
MOX-SPI-2525R-5R6M	5.60	20%	32.50	35.50	5.50	6.00
MOX-SPI-2525R-6R8M	6.80	20%	54.00	60.00	6.00	4.50
MOX-SPI-2525R-100M	10.00	20%	62.00	68.00	5.50	4.20
MOX-SPI-2525R-150M	15.00	20%	110.00	120.00	5.00	3.50
MOX-SPI-2525R-220M	22.00	20%	150.00	167.00	2.50	2.70

MOXIE NOTES:

- Packaging: 1,500 pcs per reel (Ø330mm reel size)
- Operating temperature: -55°C to +125°C.
- Storage temperature: -40°C to +85°C.
- Inductance is measured on HP-4284A precision LCR meter under 0.25V, 100KHz.
- DCR is measured on HP 4338B milliohm meter (or equivalent)
- Isat: Based on inductance change ($\Delta L/L_0$: <-30%)
- Irat: Based on temperature rise (ΔT : 40°C TYP.)
- 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.



(888)535.5207 WWW.MOXIEINDUCTORS.COM

HIGH CURRENT SURFACE MOUNT POWER INDUCTOR

MOX-SPI-2525R SERIES

PAGE 3/3

REV. B

DWG NUMBER: MOXSPI2525R